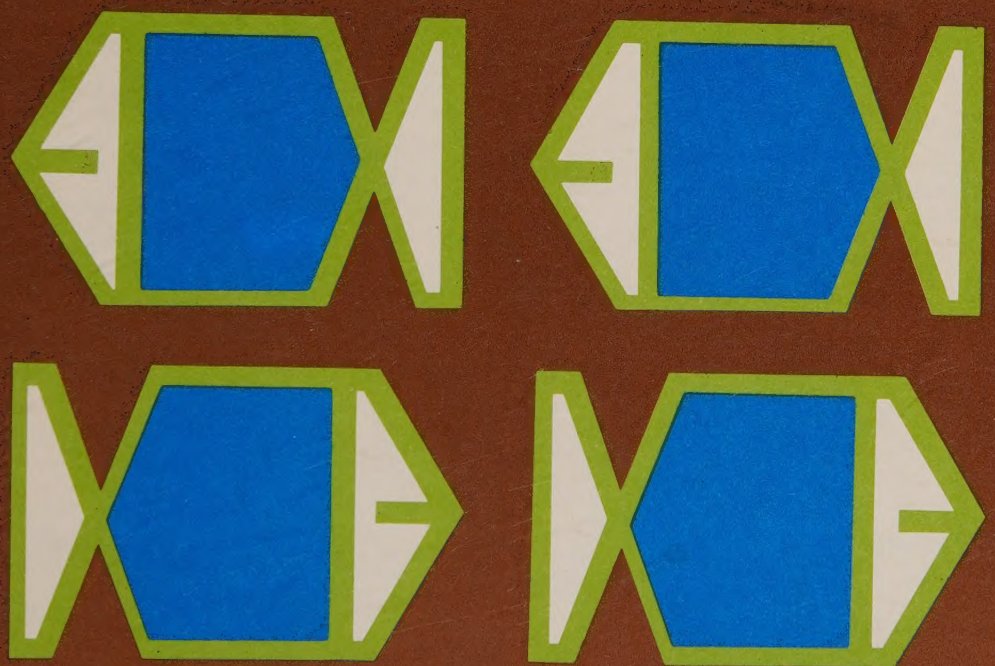
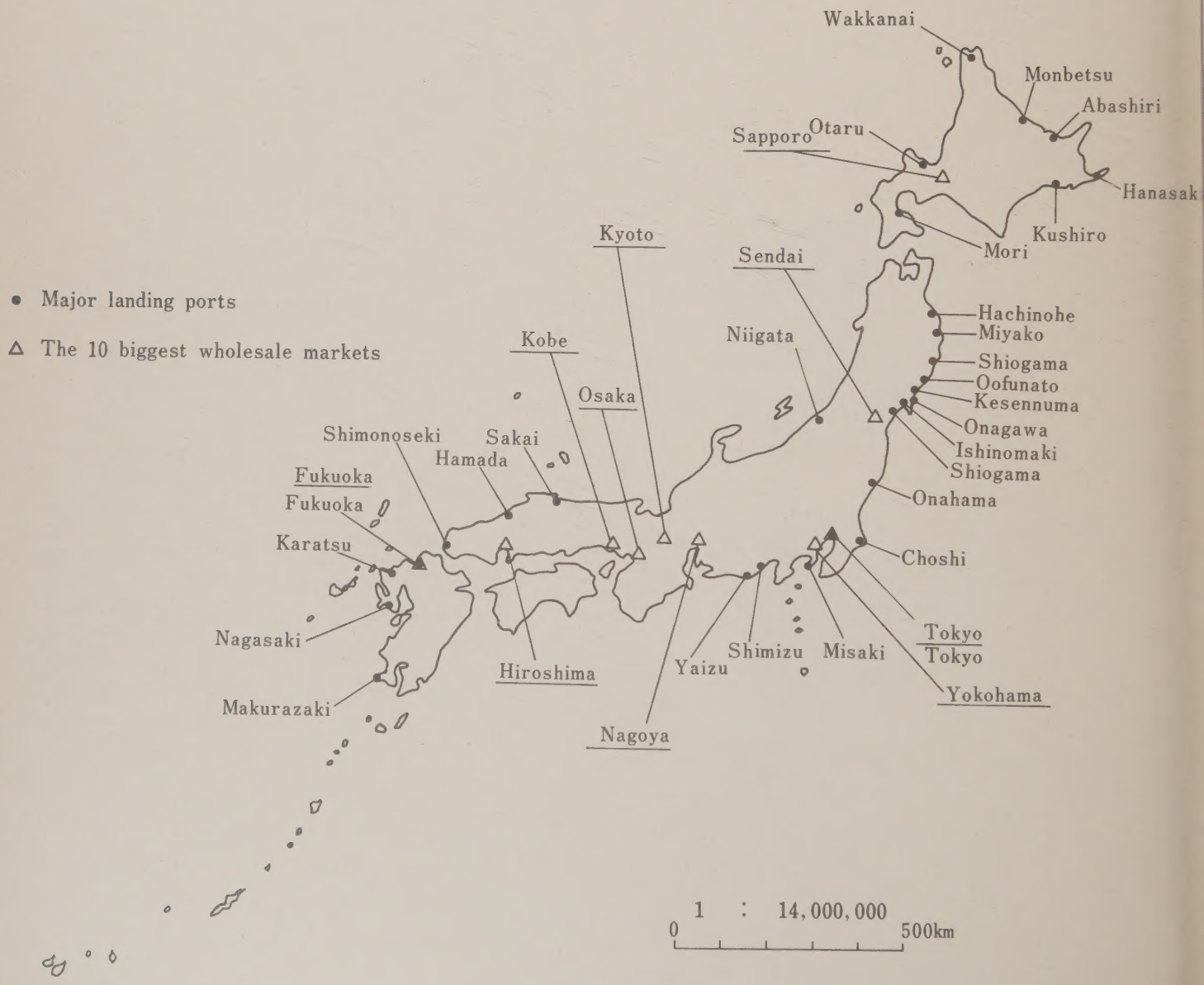
# FISHERIES STATISTICS OF JAPAN 1971



STATISTICS AND INFORMATION DEPARTMENT
MINISTRY OF AGRICULTURE AND FORESTRY
GOVERNMENT OF JAPAN

MAJOR LANDING PORTS AND THE 10 BIGGEST WHOLESALE MARKETS IN JAPAN



# FISHERIES STATISTICS OF JAPAN 1971

STATISTICS AND INFORMATION DEPARTMENT
MINISTRY OF AGRICULTURE AND FORESTRY
GOVERNMENT OF JAPAN

Edited and published by

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# FOREWORD

"The Fisheries Statistics of Japan" have been published every year since 1963 by the Statistics and Information Department (former name, Statistics and Survey Department), Economic Affairs Bureau, Ministry of Agriculture and Forestry with the aim of making foreigners know briefly about the present situation of fisheries in Japan through the fishery statistics.

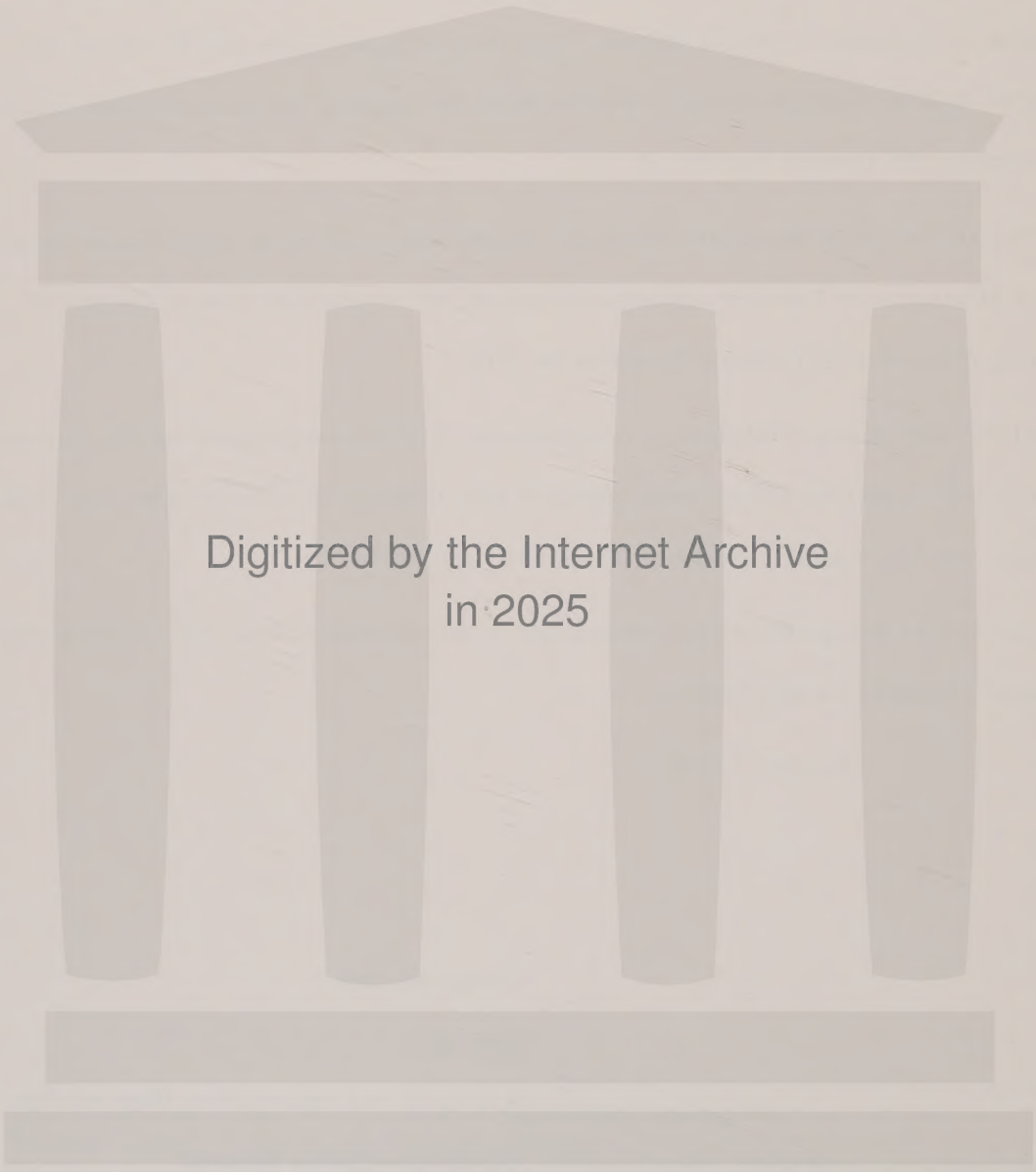
The statistics in this publication are mainly extracted from "The Annual Report of Catch Statistics on Fishery and Aquiculture in 1971" and "The Annual Report of Marketing Statistics of Fishery Products in 1971."

At the end of this publication, illustrations with fish names in English, Japanese and scienctific appelation have been added so that readers in other nations may understand well the fish species caught by Japanese fishermen.

I should be delightful if this publication is serviceable for having a true picture of present Japanese fishery known.

August , 1973

Kazuo Ohyama
Director,
Statistics and Information Department,
Economic Affairs Bureau,
Ministry of Agriculture and Forestry
Government of Japan.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# Explanation

## I. Fishery Probuction of Japan (excl. okinawa)

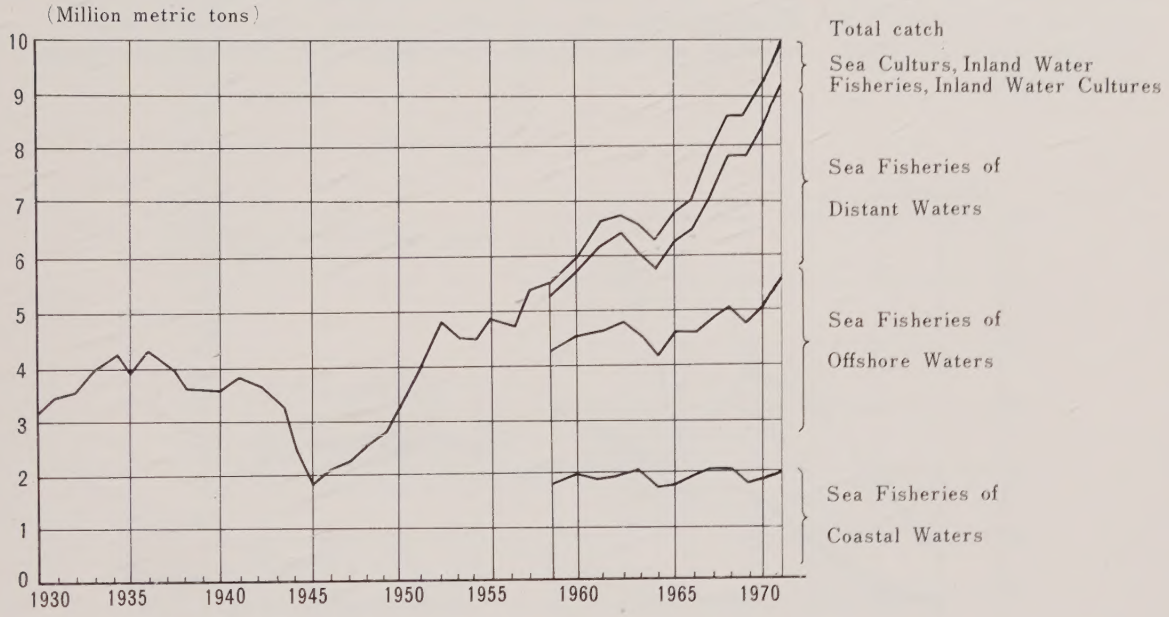



Fig. 1 JAPANESE TOTAL CATCH, 1930~1971

1. Changes of the Fishery Production by Years

Before World War II, the highest fishcatch in Japanese fishery including fish culture pointed to 4,330 thousand tons in 1936, which centered on a sardine catch.

The fishery production of Japan was severely hit by the War. As a result, the catch was reduced by half. But in 1952 the catch topped that prewar highest level to 4,823 thousand tons. After that, the catch continued to increase almost favorably and reached 6,864 thousand tons in 1962, coupled with a development of offshore and distant fisheries and with a progress of fishing skills and technology.

Momentarily in 1963 and 1964, however, the catch fell off. This was because of (1) a reduced number of mother ship-type trawl fleets in distant fisheries, (2) a poor haul of herring and flatfish, and, (3) a poor catch in offshore fisheries involving purse-seine, saury stick-held-dip net and squid fishing operations.

In 1965, the catch started to go up again. This was because of (1) a recovery of offshore fishery and (2) a new development of trawl fishing grounds. Thus, in 1970, the catch came up the level of 9 million tons because (1) a heavy catch of Alaska pollack was obtained in the northern Pacific grounds and (2) the case of mackerel catch in the fishing grounds on and around Japan was the same, too

2. Fishcatch in 1971

(1) Total Production

A total catch in the 1971 fishery (incl. sea culture but excl. whaling) was 9,909 thousand tons, or an increase of 594 thousand tons, i.e. 6 per cent over the previous year. In other words, an all-time high of 10 million tons catch was approached. The reasons for this increase are that (1) the catch of Alaska pollack with offshore trawl fishery and mothership-type trawls increased by greater margins in the north seas, (2) the large purse-seine fishery in East-China Sea was favored with a good haul of Jack mackerels, and (3) a catch in Saury Stick-held-dip net increased largely. As a result, a total of fishery production (excl. whaling) recorded to ¥1,089.4 billion, or up ¥120.2 billion, i.e. 12 per cent over the previous year. In other words, an all-time high of ¥1,000 billion catch was attained.

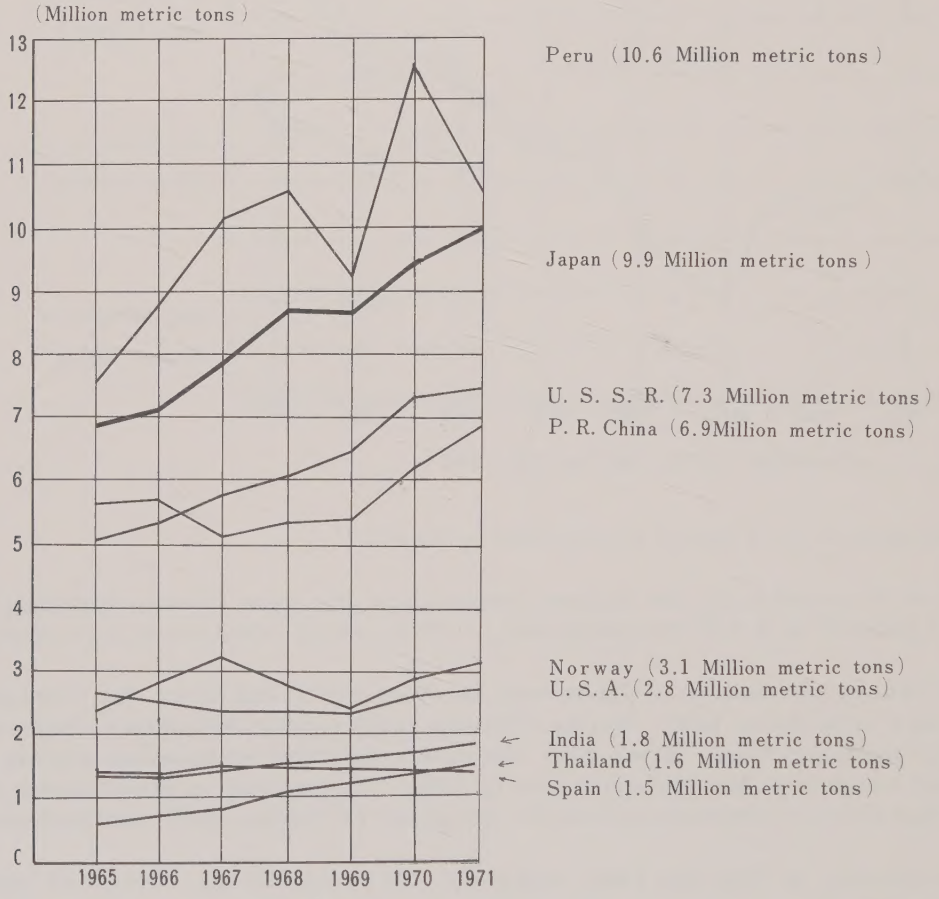



Fig. 2 WORLD CATCH BY COUNTRIES, 1965~1971

Furthermore, a total of 1971 worldwide catch was 69,400 thousand tons. Of this, the catch of Japan accounted for 14 percent, which worldwidely ranks second next to 10,611 thousand tons of Peru.

(2) Production by fishery sector

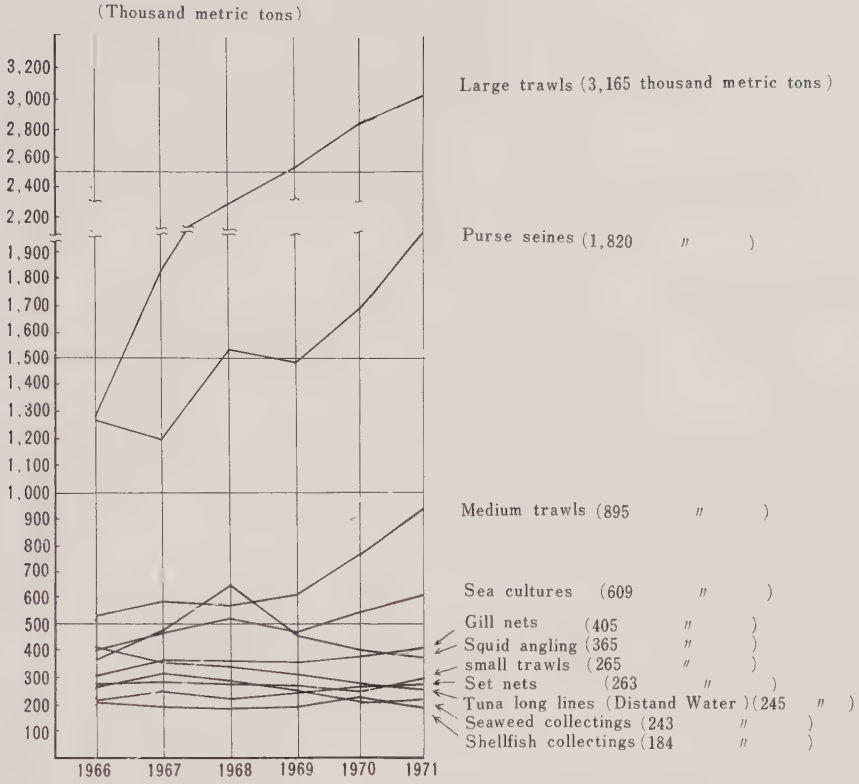



Fig 3. CATCH IN QUANTITY BY MAJOR FISHERIES, 1966~1971

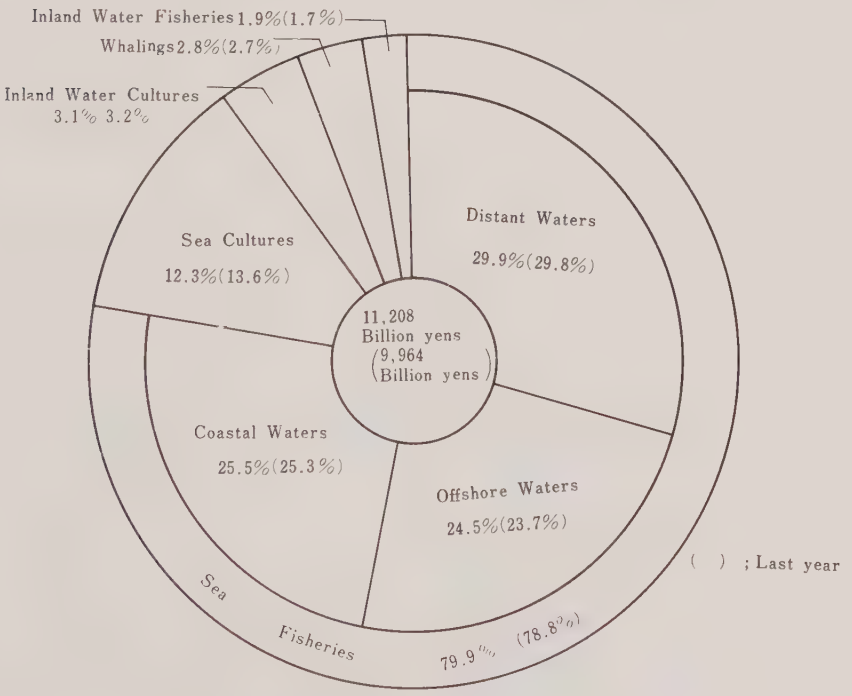



Fig. 4 RATIO OF VALUE BY FISHERIES, 1971

In 1971, sea fishery gained a catch of 9,149 thousand tons or ¥895.7 billion. This shows an increase of 6 per cent in catch volume or 14 per cent in yield value respectively over the previous year.

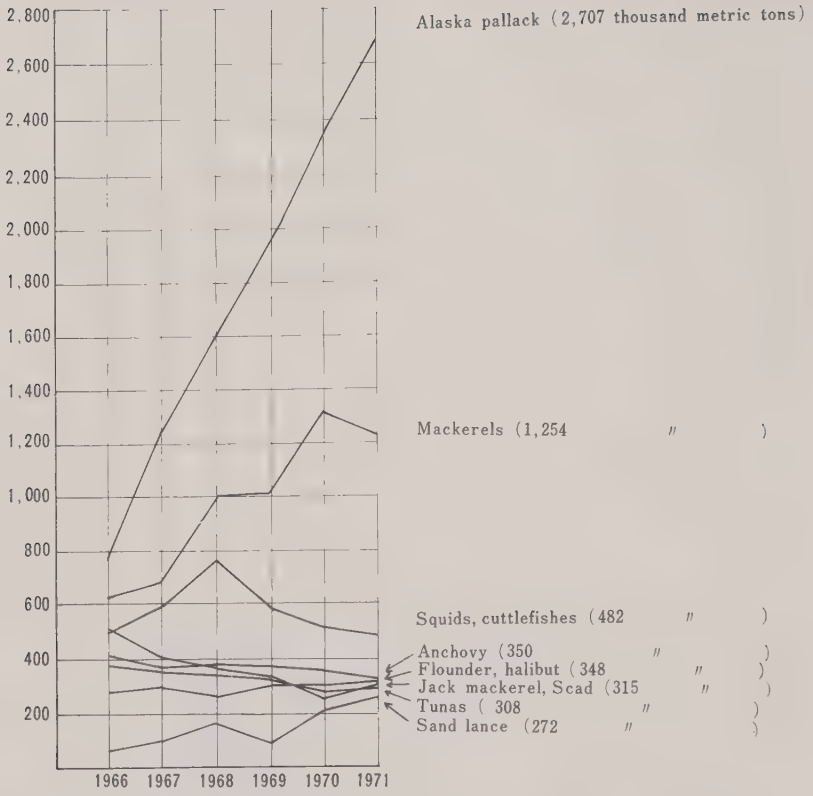



Fig. 5 CATCH IN QUANTITY BY MAJOR SPECIES, 1966~1971

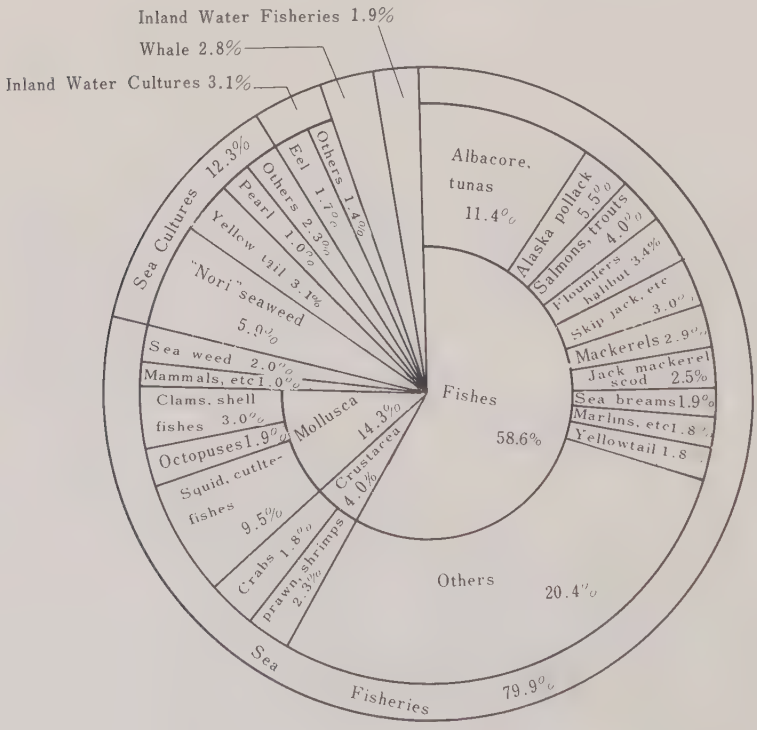



Fig. 6 RATIO OF VALUE BY MAJOR SPECIES, 1971.

Sea culture went on favorably. That is to say, the yield got to 609 thousand tons or ¥137.4 billion in 1971, or up 11 per cent or 2 per cent respectively over the previous year. This is because (1) young yellowtail culture continued to grow steadily and (2) "Wakame" seaweed culture was in a good growth favored with sea and weather conditions, etc.

Inland-Water fishery attained a catch of 101 thousand tons or ¥21.4 billion. This represents a decrease of 16 per cent in quantity or increase of 26 per cent in value respectively as compared with the catch of previous year. Such a decrease in yield is due to the fact that fresh water clams (Corbicula) accounting for a half of catch in inland water fishery were taken in less quantities. On the other hand, the increased yield in value resulted from a rise in prices of pond-smelt, sweet fish and fresh water clams (Corbicula).

Inland Water culture obtained a catch of 50 thousand tons in quantity or ¥34.9 billion in value, or an increase of 4 per cent or 10 per cent respectively over the previous year. This is mainly because an increase in production of trout, carp and sweetfish.

Whaling fishery gained a catch of 16,419 head whales or ¥31.4 billion. Of this, baleen whales accounted for 9,329 head, i.e. 2,293 head upon B. W. U. Also sperm whales and small-size whales numbered 6,465 and 625 respectively.

# II. Setup of Fishery Production in Japan (excl. okinawa)

## 1. Sea Fishing Establishments

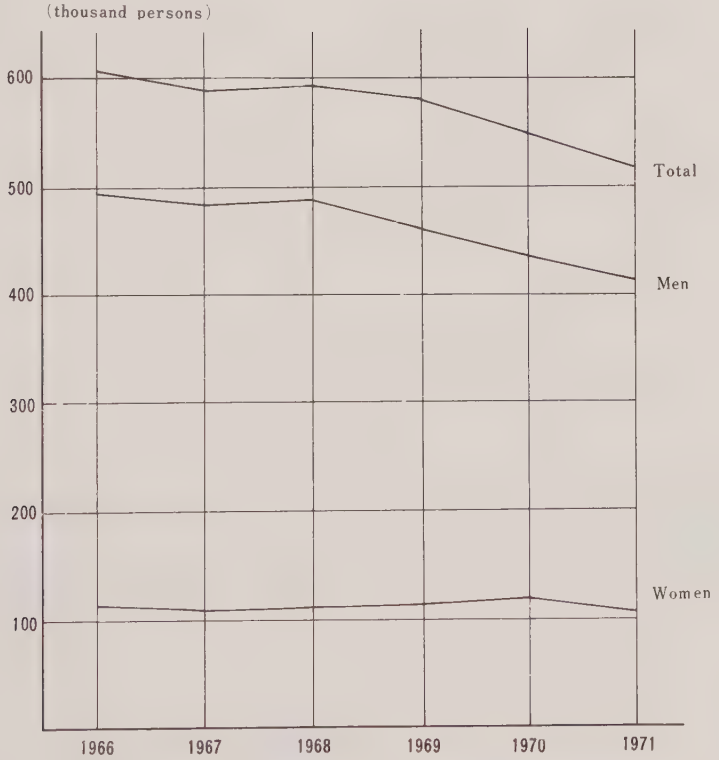



Fig. 7 FISHING MAN POWER ACTIVELY ENGAGED IN MARINE FISHERY, 1965~1971.

Number of Japanese sea fishing establishments (excl. those not using fishing vessels) continued to slightly increase in recent years. In 1970, however, it was peak year. In 1971, it decreased to 225.4 thousand, or a decrease of 2.8 thousand, i.e. 2.2 per cent from the previous year.

Of this, coastal fishing establishments numbered 215.7 thousand, accounting for 96 per cent of total. A comparison of the fishing establishments in 1971 with those in 1966 was like this: both brackets of powered vessels and sea culture indicated an increase in number of 13 per cent and 5 per cent, respectively, while the non-powered vessels brackets and the brackets of fixed net beach seine net decreased largely in number of fishing establishments.

On the other hand, in both the medium and large size fishery having a total of more than 10 G.T. of powered fishing vessels, the number of fishing establishments stood at 9,700. This accounted for 4 per cent of total. In comparison of this with 1966, an increase of 600 fishing establishments, i.e. 6 per cent was withnessed; and a growth in more than 500 G.T. of powered vessels was particularly marked.

2. Sea Fishery Workers

Japanese sea fishery workers continued to decrease slightly in recent years and came down to 525.4 thousand persons in 1970. This represents a decrease of 24.0 thousand persons, i.e. 4 per cent from the previous year.

The major reason for the decreased sea fishery workers is that the flow of labor force into other industries from the primary industry has recently been accelerated in line with an economic growth centered on the secondary industry of late.

Also, the composition ratio by sex tells us that the proportion of men was decreasing year after year from 82 per cent in 1966 and came down to 80 per cent in 1971, and, at the same time, that it is very likely that women have been advancing into men's work places at an increasing pace year after year.

3. Fishing vessels

A total number of Japanese sea fishing vessels were gradually decreasing in recent years, but in 1971 they amounted to 374.5 thousand, or an increase of 4.0 thousand, i.e. 1 per cent over the previous year.

Because, it is over a increased number of powered vessels than a decreased number of non-powered vessels. In recent year, in comparison of non-powered vessels and powered vessels, the former's percentage fell off from 40 per cent in 1966 to 26 per cent in 1971. Also, considerably increased powered vessels were the outboard-engine vessels less than 1 G.T. and the vessels of 3 to 5 G.T.

# III. Exports and Imports Japanese Fishey Products (excl.okinawa)

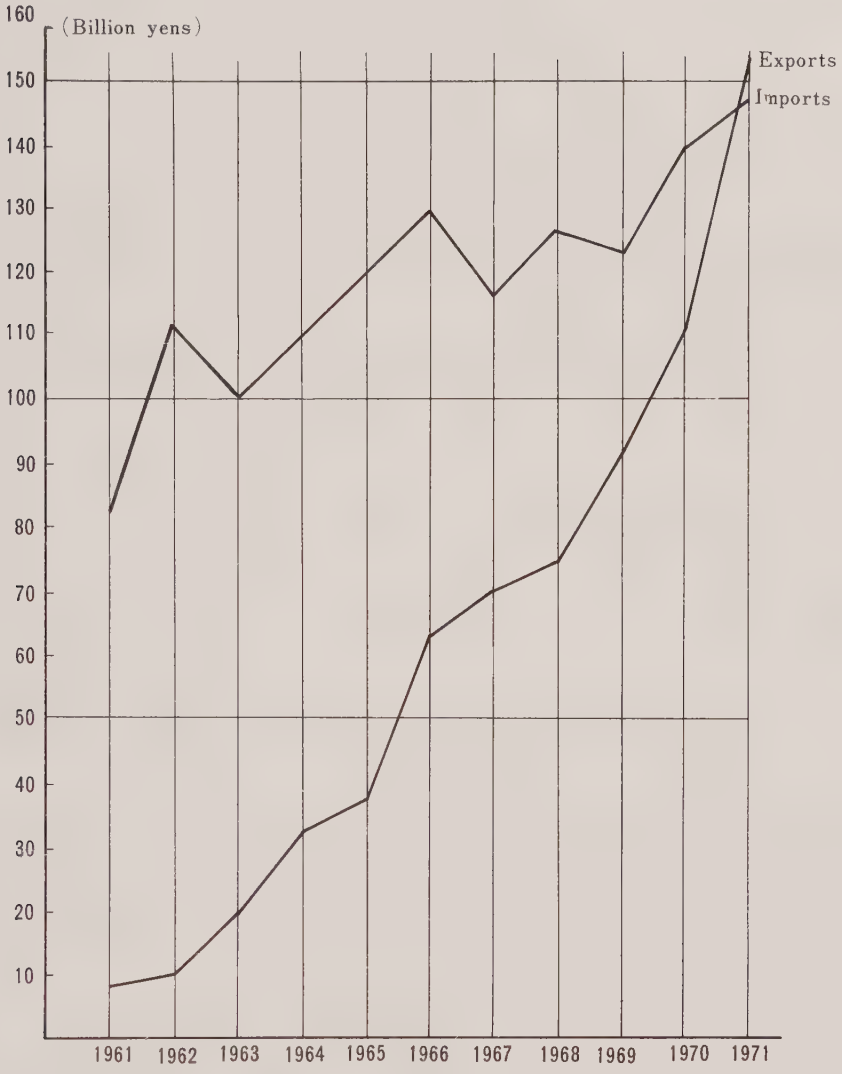
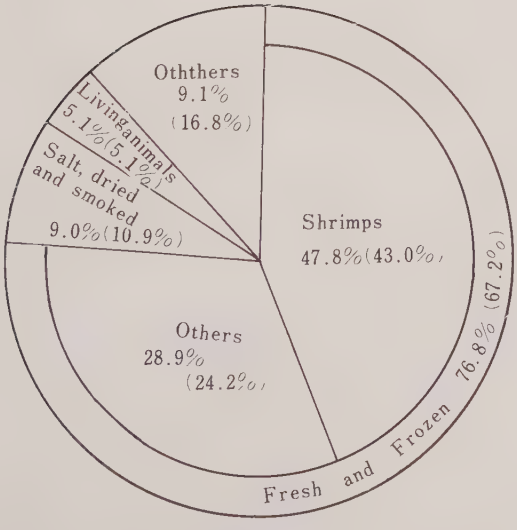



FIG.8 VALUE OF FOREIGN TRADE, 1960~1971.




( ); Last year

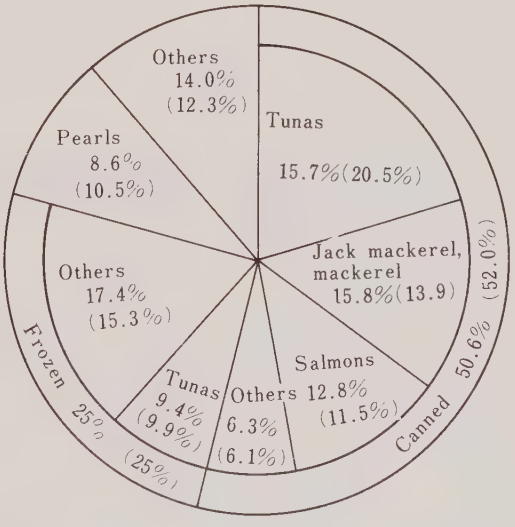



Fig. 9 RETIO OF VALUE BY COMMODITY OF FOREIGN TRADE, 1971

1. Imports

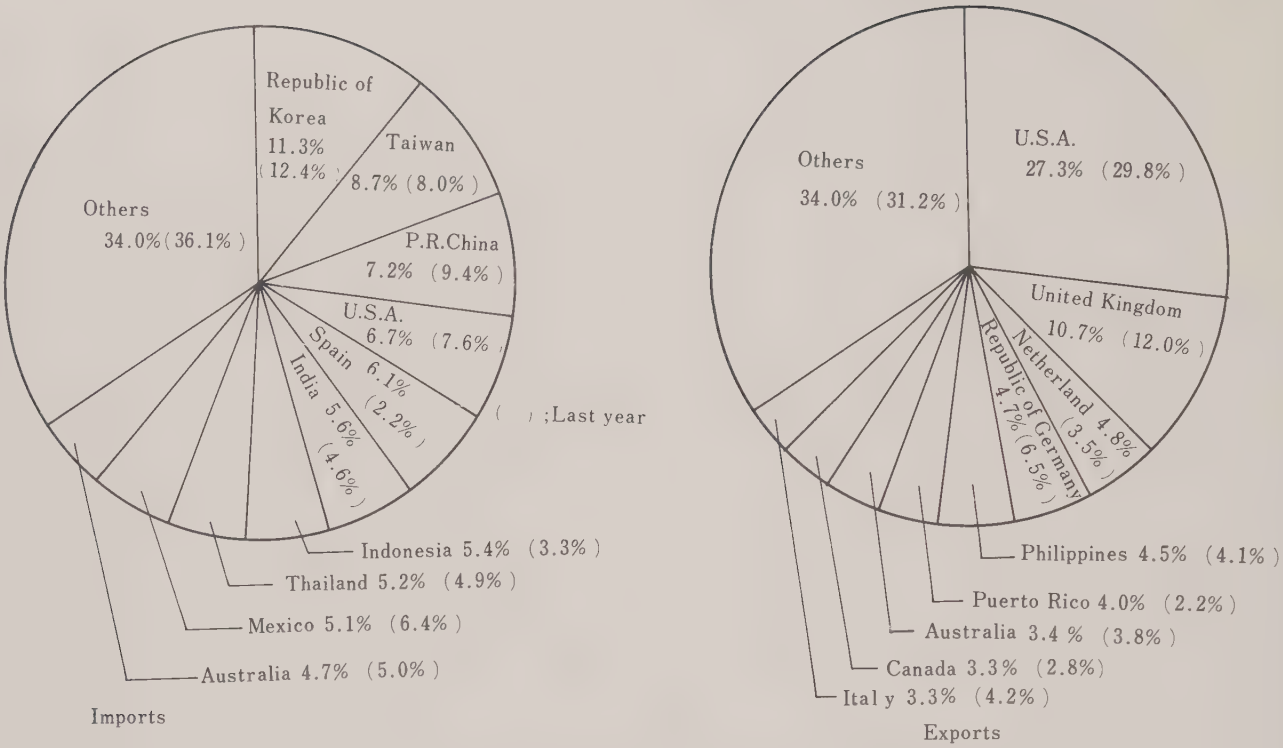



Fig.10 RATIO OF VALUE BY CONTRIES OF FOREIGN TRADE, 1971

Import of fishing products to Japan were increasing repidly year after year. In 1971, this was ¥153.3 billion, or an increase of ¥38.7 billion, i.e. 34 per cent over previous year. In other wards, an all time import of fishery products to Japan was over than exports in 1971. This imports sum was equivalent to 18.8 times that of 1961 and 2.5 times that of 1966, which accounted for 2.2 per cent of Japanese total imports.

Import of fishery products for human consumption in 1971 came up to ¥1,439 billion, or 49 per cent over previous year. Of these, fresh and frozen fish products accounted for 82 per cent, and particularly the weight of shrimp was large.

On the other hand, Import of fishery products for non-human consumption got to ¥9.4 billion. Of these, the percentage occupied by fishmeal extreme lowered to 14 per cent in 1971 from 38 per cent in the previous year.

Major nations having exported to Japan were:
Republic of Korea (11%), Taiwan (9%), People's Republic of China (7%), U.S.A. (7%), Spain (6%), India (5%), etc.

2. Exports

Export of fishery products from Japan were on a gradual increase. In 1971

these amounted to ¥146.7 billion, or up ¥5.9 billion, i.e. 4 per cent over the previous year. These corresponded to 1.7 per cent of the Japanese total exports.

Export of fishery products for human consumption got to ¥118.8 billion. Of these, major items were as follows: canned tuna (16%), canned mackerel or jack mackerel (16%) canned salmon (13%), frozen tunas (10%), etc.

Export of fishery products for non-human consumption amounted to ¥27.9 billion. Culture pearl exports occupying 71 per cent of those exports in 1966 did not increase because of the decreased demand for culture pearls. Accordingly, culture pearl exports in 1971 amounted to ¥12.6 billion, or down 14 per cent from the previous year. In addition to, culture pearl exports occupied 45 per cent of Export of fishery products for non-human consumption in 1971.

Major nations having imported from Japan were: U.S.A. (27%), United kingdom (11%), Netherland (5%), Republic of Germany (5%), Philippines (5%), etc.

# STATISTICAL TABLES

# 1. SUMMARY OF CATCH BY FISHERY SECTOR, 1940～1971

Quantity : Thousand metric tons.
Value : Hundred million yens.

| Year | Sea Fisheries | | Sea Cultures | | Inland Water Fisheries | | Inland Water Cultures | | Total | | Whalings | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Quantity | Value | Quantity | Value | Quantity | Value | Quantity | Value | Quantity | Value | Numbers | Value |
| 1940 | 3,427 | --- | 78 | --- | --- | --- | 19 | --- | 3,526 | --- | 9,628 | --- |
| 1945 | 1,750 | --- | 61 | --- | --- | --- | 12 | --- | 1,824 | --- | 531 | --- |
| 1950 | 3,255 | --- | 48 | --- | 63 | --- | 5 | --- | 3,373 | --- | 5,332 | --- |
| 1951 | 3,774 | --- | 88 | --- | 60 | --- | 6 | --- | 3,930 | --- | 6,335 | --- |
| 1952 | 4,646 | --- | 113 | --- | 53 | --- | 9 | --- | 4,823 | --- | 7,816 | --- |
| 1953 | 4,387 | --- | 144 | --- | 57 | --- | 8 | --- | 4,598 | --- | 6,631 | --- |
| 1954 | 4,304 | --- | 145 | --- | 82 | --- | 9 | --- | 4,541 | --- | 9,591 | --- |
| 1955 | 4,658 | --- | 154 | --- | 82 | --- | 11 | --- | 4,907 | --- | 11,866 | --- |
| 1956 | 4,488 | 2,012 | 180 | 206 | 90 | 62 | 13 | 30 | 4,772 | 2,310 | 14,124 | 160 |
| 1957 | 5,067 | 2,303 | 244 | 174 | 81 | 73 | 14 | 31 | 5,407 | 2,582 | 15,439 | 213 |
| 1958 | 5,198 | 2,257 | 214 | 205 | 78 | 70 | 15 | 37 | 5,506 | 2,569 | 19,922 | 196 |
| 1959 | 5,568 | 2,535 | 225 | 236 | 75 | 69 | 15 | 36 | 5,884 | 2,877 | 20,527 | 221 |
| 1960 | 5,817 | 2,983 | 284 | 338 | 74 | 80 | 15 | 47 | 6,192 | 3,448 | 19,649 | 234 |
| 1961 | 6,287 | 3,340 | 322 | 455 | 81 | 93 | 18 | 64 | 6,710 | 3,952 | 20,845 | 267 |
| 1962 | 6,397 | 3,567 | 362 | 538 | 84 | 94 | 20 | 68 | 6,864 | 4,266 | 22,237 | 269 |
| 1963 | 6,200 | 3,988 | 389 | 650 | 84 | 98 | 23 | 94 | 6,698 | 4,830 | 22,370 | 309 |
| 1964 | 5,868 | 4,039 | 362 | 724 | 89 | 102 | 29 | 111 | 6,350 | 4,976 | 24,409 | 323 |
| 1965 | 6,382 | 4,516 | 380 | 816 | 113 | 100 | 33 | 126 | 6,908 | 5,558 | 26,986 | 366 |
| 1966 | 6,558 | 5,005 | 405 | 974 | 103 | 118 | 36 | 164 | 7,103 | 6,260 | 22,784 | 290 |
| 1967 | 7,241 | 5,677 | 470 | 1,074 | 97 | 109 | 42 | 166 | 7,851 | 7,026 | 21,088 | 252 |
| 1968 | 7,993 | 6,097 | 522 | 1,010 | 103 | 119 | 52 | 221 | 8,670 | 7,447 | 21,586 | 237 |
| 1969 | 7,976 | 6,928 | 473 | 1,130 | 112 | 144 | 52 | 285 | 8,613 | 8,488 | 17,409 | 221 |
| 1970 | 8,598 | 7,851 | 549 | 1,353 | 119 | 170 | 48 | 317 | 9,315 | 9,692 | 16,887 | 272 |
| 1971 | 9,149 | 8,957 | 609 | 1,374 | 101 | 214 | 50 | 349 | 9,909 | 10,894 | 16,419 | 314 |

# 2. SUMMARY OF CATCH BY SPECIES, 1940～1971

Unit : Thousand metric tons.

| Year | Sea Waters | | | | | Inland Waters | | | | | Total |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | Fishes | Molluscs | Crus-taceans | Aquatic plants | Others | Fishes | Molluscs | Crus-taceans | Aquatic plants | Others | |
| 1940 | 2,435 | 441 | 35 | 523 | --- | 29 | --- | --- | --- | --- | 3,526 |
| 1945 | 1,222 | 313 | 31 | 228 | --- | 13 | --- | --- | --- | --- | 1,824 |
| 1950 | 2,210 | 760 | 49 | 257 | 28 | 32 | 12 | 1 | 23 | 1 | 3,373 |
| 1951 | 2,572 | 922 | 56 | 290 | 22 | 30 | 12 | 1 | 23 | 2 | 3,930 |
| 1952 | 3,268 | 1,033 | 72 | 361 | 27 | 35 | 13 | 1 | 12 | 1 | 4,823 |
| 1953 | 3,253 | 889 | 70 | 292 | 27 | 37 | 15 | 1 | 12 | 2 | 4,598 |
| 1954 | 3,239 | 786 | 99 | 287 | 38 | 44 | 14 | 2 | 31 | 1 | 4,541 |
| 1955 | 3,541 | 802 | 106 | 310 | 53 | 52 | 14 | 3 | 25 | 1 | 4,907 |
| 1956 | 3,441 | 774 | 95 | 304 | 52 | 60 | 16 | 3 | 24 | 3 | 4,772 |
| 1957 | 3,877 | 894 | 108 | 402 | 27 | 64 | 24 | 5 | 2 | 4 | 5,407 |
| 1958 | 4,017 | 893 | 119 | 339 | 42 | 62 | 26 | 3 | 1 | 4 | 5,506 |
| 1959 | 4,267 | 1,027 | 119 | 337 | 44 | 59 | 26 | 1 | 1 | 4 | 5,884 |
| 1960 | 4,463 | 1,078 | 126 | 386 | 51 | 60 | 25 | 1 | 1 | 3 | 6,192 |
| 1961 | 5,015 | 985 | 138 | 425 | 49 | 66 | 28 | 2 | 1 | 3 | 6,710 |
| 1962 | 4,911 | 1,158 | 149 | 501 | 41 | 69 | 30 | 2 | 1 | 3 | 6,864 |
| 1963 | 4,653 | 1,303 | 159 | 425 | 51 | 72 | 33 | 1 | 1 | 2 | 6,698 |
| 1964 | 4,745 | 925 | 153 | 361 | 48 | 80 | 35 | 1 | 0 | 2 | 6,350 |
| 1965 | 5,093 | 1,082 | 132 | 406 | 52 | 86 | 56 | 1 | 0 | 2 | 6,908 |
| 1966 | 5,232 | 1,097 | 142 | 436 | 57 | 86 | 50 | 1 | 0 | 2 | 7,103 |
| 1967 | 5,742 | 1,225 | 149 | 534 | 60 | 92 | 42 | 2 | 0 | 2 | 7,851 |
| 1968 | 6,340 | 1,430 | 186 | 503 | 57 | 104 | 44 | 2 | 1 | 4 | 8,670 |
| 1969 | 6,561 | 1,238 | 153 | 444 | 53 | 107 | 51 | 3 | 1 | 3 | 8,613 |
| 1970 | 7,289 | 1,132 | 146 | 521 | 59 | 103 | 58 | 3 | 1 | 3 | 9,315 |
| 1971 | 7,913 | 1,065 | 126 | 587 | 66 | 107 | 36 | 5 | 1 | 2 | 9,909 |

# 3. CATCH IN QUANTITY BY SPECIES, 1966~1971

Unit ; Metric tons.

| Species | 1966 | 1967 | 1968 | 1969 | 1970 | 1971 |
|---|---|---|---|---|---|---|
| **Grand Total 1)** | **7,102,482** | **7,850,780** | **8,670,137** | **8,613,422** | **9,314,662** | **9,908,544** |
| Sea Fisheries 1) | **6,557,646** | **7,241,370** | **7,993,048** | **7,975,928** | **8,597,761** | **9,148,746** |
| Fishes | **5,214,912** | **5,712,303** | **6,307,788** | **6,528,303** | **7,245,352** | **7,850,527** |
| Albacore, tunas | 398,330 | 367,324 | 352,887 | 332,749 | 291,017 | 307,965 |
| Marlins, swordfishes | 81,721 | 73,692 | 70,233 | 68,773 | 66,733 | 52,506 |
| Skipjack, frigate mackerel | 258,816 | 211,202 | 191,439 | 209,378 | 231,901 | 191,656 |
| Sharks, rays | 71,091 | 67,598 | 56,029 | 59,186 | 60,689 | 51,370 |
| Salmons, trouts | 126,629 | 148,419 | 113,790 | 141,309 | 117,896 | 139,299 |
| Herring | 48,617 | 63,672 | 67,920 | 85,240 | 97,374 | 100,483 |
| Sardine, round herring | 39,774 | 40,824 | 59,565 | 49,717 | 40,626 | 104,555 |
| Anchovy | 407,665 | 365,240 | 357,668 | 376,801 | 365,471 | 350,692 |
| Jack mackerel, scad | 514,388 | 423,352 | 358,092 | 340,588 | 269,311 | 315,470 |
| Mackerels | 624,423 | 687,474 | 1,015,279 | 1,011,406 | 1,301,918 | 1,253,892 |
| Saury | 241,840 | 220,087 | 140,204 | 63,288 | 93,129 | 190,288 |
| Yellow tails | 38,950 | 48,623 | 48,363 | 51,125 | 54,875 | 48,102 |
| Flounders, halibut | 272,969 | 299,708 | 261,017 | 296,367 | 295,410 | 347,697 |
| Cod | 85,849 | 96,070 | 109,470 | 103,780 | 117,119 | 95,320 |
| Alaska pollack | 774,788 | 1,247,003 | 1,606,025 | 1,944,320 | 2,346,710 | 2,707,443 |
| Atka mackerel | 106,016 | 81,912 | 86,855 | 102,581 | 146,516 | 147,209 |
| Rock fishes | 128,036 | 132,607 | 147,389 | 114,710 | 87,073 | 100,314 |
| Croakers | 98,381 | 85,620 | 70,980 | 66,137 | 64,311 | 49,878 |
| Hairtail | 45,414 | 68,307 | 59,904 | 63,565 | 54,855 | 45,974 |
| Sea breams | 39,149 | 40,539 | 37,782 | 38,137 | 38,329 | 29,383 |
| Spanish mackerels | 6,605 | 6,950 | 19,915 | 21,141 | 19,870 | 17,444 |
| Sand lance | 71,152 | 102,482 | 150,473 | 106,541 | 227,077 | 271,936 |
| Others | 734,309 | 843,598 | 926,510 | 881,464 | 857,142 | 931,651 |
| Crustacea | **141,632** | **148,296** | **185,440** | **152,753** | **145,509** | **125,666** |
| Spiny lobster | 1,566 | 1,551 | 1,690 | 1,602 | 1,485 | 1,334 |
| "Kuruma" prawn | 2,268 | 2,031 | 1,573 | 1,290 | 1,263 | 1,983 |
| Other prawns, shrimps | 66,227 | 58,599 | 64,440 | 56,593 | 52,889 | 47,834 |
| King crab | 30,957 | 30,275 | 30,350 | 22,522 | 17,557 | 10,539 |
| Queen crab | 19,487 | 31,864 | 61,679 | 52,311 | 53,265 | 42,352 |
| Other crabs | 21,127 | 23,976 | 25,708 | 18,435 | 19,050 | 21,624 |
| Mollusca | **875,911** | **992,631** | **1,161,867** | **992,055** | **935,864** | **860,748** |
| Common squid | 382,899 | 477,012 | 668,364 | 478,160 | 412,240 | 364,349 |
| Other squids, cuttlefishes | 102,128 | 119,836 | 105,413 | 111,638 | 106,677 | 118,169 |
| Octopuses | 65,551 | 98,130 | 102,718 | 92,418 | 96,127 | 85,507 |
| Abalone | 5,580 | 5,958 | 6,141 | 6,463 | 6,466 | 5,659 |
| Short necked clams | 157,511 | 121,618 | 120,401 | 116,572 | 141,997 | 126,414 |
| Common scallop | 7,370 | 6,819 | 4,989 | 14,644 | 16,477 | 14,439 |
| "Mogai" clam | 22,160 | 40,681 | 37,876 | 38,289 | 28,276 | 59,949 |
| Other clams, shellfishes | 132,712 | 122,577 | 115,965 | 133,871 | 127,604 | 86,262 |
| Echinodermata, etc. | **52,663** | **60,090** | **55,151** | **51,800** | **57,764** | **64,969** |
| Marine mammals 1) | **2,374** | **1,033** | **1,288** | **1,026** | **1,512** | **937** |

Unit ; Metric tons.

| Species | 1966 | 1967 | 1968 | 1969 | 1970 | 1971 |
|---|---|---|---|---|---|---|
| Sea weeds | **270,152** | **318,017** | **281,513** | **249,991** | **211,760** | **245,899** |
| Kelps | 155,757 | 175,883 | 169,874 | 147,580 | 110,780 | 151,725 |
| "Wakame" seaweed | 41,934 | 63,533 | 48,263 | 38,016 | 45,574 | 38,480 |
| Others | 72,461 | 78,601 | 63,376 | 64,395 | 55,406 | 55,694 |
| Sea Cultures | **405,195** | **470,137** | **521,941** | **473,293** | **549,082** | **608,684** |
| Yellow tail | 16,875 | 21,169 | 31,777 | 32,722 | 43,300 | 61,743 |
| Pearl | 118 | 125 | 112 | 97 | 85 | 49 |
| Oyster | 221,139 | 232,200 | 267,388 | 245,458 | 190,799 | 193,846 |
| "Nori" seaweed | 128,440 | 157,550 | 144,969 | 134,320 | 231,464 | 244,946 |
| "Wakame" seaweed | 37,809 | 58,080 | 76,698 | 59,821 | 76,360 | 94,350 |
| Others | 814 | 1,013 | 997 | 875 | 7,074 | 13,750 |
| Inland Water Fisheries | **103,266** | **97,421** | **103,212** | **112,157** | **119,364** | **100,716** |
| Salmons, trouts | 3,508 | 4,349 | 2,602 | 3,214 | 3,171 | 3,985 |
| Sweet fish | 6,998 | 7,435 | 9,217 | 10,329 | 9,879 | 10,523 |
| Carps | 12,277 | 13,170 | 13,671 | 13,555 | 14,486 | 15,023 |
| Eel | 2,826 | 3,162 | 3,124 | 3,194 | 2,726 | 2,624 |
| Corbicula | 48,823 | 40,477 | 42,681 | 48,992 | 56,144 | 33,981 |
| Others | 28,834 | 28,828 | 31,917 | 32,873 | 32,958 | 34,580 |
| Inland Water Cultures | **36,375** | **41,852** | **51,936** | **52,044** | **48,455** | **50,398** |
| Trouts | 6,231 | 7,882 | 9,454 | 10,254 | 10,632 | 12,749 |
| Carps | 11,268 | 12,508 | 16,075 | 15,747 | 17,256 | 19,049 |
| Eel | 17,015 | 19,605 | 23,640 | 23,276 | 16,730 | 14,233 |
| Others | 1,861 | 1,857 | 2,767 | 2,767 | 3,837 | 4,367 |
| Whaling 2) | **22,784** | **21,088** | **21,586** | **17,409** | **16,887** | **16,419** |
| Blue whale | - | - | - | - | - | - |
| Fin whale | 2,280 | 1,307 | 1,395 | 2,473 | 2,416 | 2,215 |
| Humpback whale | - | - | - | - | - | - |
| Sei whale | 13,829 | 12,725 | 11,915 | 7,641 | 7,287 | 7,114 |
| Sperm whale | 5,583 | 6,031 | 6,861 | 6,668 | 6,548 | 6,465 |
| Mink whale | 365 | 286 | 836 | 287 | 330 | 291 |
| Bottlenose whale | 171 | 107 | 117 | 138 | 113 | 118 |
| Pilot whale | 199 | 237 | 166 | 130 | 152 | 181 |
| Others | 357 | 395 | 296 | 72 | 41 | 35 |
| (Blue Whale Unit) | 3,445 | 2,774 | 2,683 | 2,509 | 2,442 | 2,293 |

Note: 1) Excluded whale.
2) Actual number of catch

# 4. CATCH IN VALUE BY SPECIES 1966~1971

Unit ; Million yens.

| Species | 1966 | 1967 | 1968 | 1969 | 1970 | 1971 |
|---|---|---|---|---|---|---|
| **Grand Total 1)** | **625,972** | **702,626** | **744,748** | **848,763** | **969,156** | **1,089,405** |
| Sea Fisheries 1) | **500,453** | **567,740** | **609,698** | **692,807** | **785,149** | **895,728** |
| Fishes | **389,112** | **440,734** | **462,416** | **522,601** | **590,280** | **656,481** |
| Albacore, tunas | 73,423 | 75,139 | 78,279 | 88,331 | 99,367 | 128,144 |
| Marlins, swordfishes | 16,128 | 15,939 | 17,956 | 19,126 | 21,464 | 20,520 |
| Skipjack, frigate mackerel | 20,259 | 19,912 | 19,812 | 24,304 | 31,450 | 33,600 |
| Sharks, rays | 3,427 | 3,335 | 2,985 | 3,306 | 3,315 | 3,054 |
| Salmons, trouts | 34,396 | 42,397 | 35,481 | 48,251 | 42,277 | 44,541 |
| Herring | 3,975 | 5,241 | 5,098 | 8,442 | 11,568 | 9,938 |
| Sardine, round herring | 2,533 | 3,388 | 4,536 | 4,611 | 5,781 | 8,735 |
| Anchovy | 10,998 | 12,282 | 11,958 | 12,455 | 14,495 | 14,033 |
| Jack mackerel, scad | 18,968 | 22,927 | 21,736 | 22,842 | 26,378 | 27,648 |
| Mackerels | 20,555 | 24,211 | 32,070 | 27,498 | 36,398 | 32,864 |
| Saury | 10,443 | 10,602 | 7,779 | 10,261 | 12,012 | 15,891 |
| Yellow trails | 11,269 | 13,106 | 13,326 | 15,963 | 19,542 | 20,162 |
| Flounders, halibut | 21,228 | 21,668 | 22,601 | 27,382 | 34,558 | 37,636 |
| Cod | 4,382 | 4,479 | 5,387 | 5,712 | 7,457 | 7,286 |
| Alaska pollack | 19,826 | 28,507 | 36,773 | 46,889 | 53,778 | 61,338 |
| Atka mackerel | 3,134 | 2,287 | 2,322 | 2,883 | 2,570 | 2,925 |
| Rock fishes | 6,862 | 8,596 | 9,684 | 9,106 | 9,206 | 11,312 |
| Croakers | 9,743 | 9,503 | 8,114 | 6,968 | 6,670 | 5,396 |
| Hairtail | 5,816 | 4,382 | 4,696 | 5,531 | 4,601 | 4,460 |
| Sea breams | 14,854 | 16,202 | 16,720 | 20,111 | 22,339 | 21,746 |
| Spanish mackerels | 1,758 | 1,733 | 2,923 | 2,380 | 3,691 | 2,757 |
| Sand lance | 1,867 | 1,730 | 2,514 | 2,038 | 4,714 | 6,272 |
| Others | 73,268 | 93,168 | 99,666 | 108,211 | 116,647 | 136,223 |
| Crustacea | **31,781** | **30,294** | **35,862** | **38,247** | **40,909** | **45,391** |
| Spiny lobster | 1,616 | 2,030 | 2,292 | 2,412 | 3,096 | 2,940 |
| "Kuruma" prawn | 3,208 | 3,096 | 3,084 | 3,160 | 3,124 | 5,112 |
| Other prawns, shrimps | 15,177 | 11,234 | 12,370 | 13,904 | 15,019 | 17,545 |
| King crab | 6,446 | 6,764 | 7,362 | 5,349 | 4,769 | 3,495 |
| Queen crab | 2,598 | 3,842 | 6,526 | 9,056 | 10.465 | 10,915 |
| Other crabs | 2,736 | 3,328 | 4,228 | 4,366 | 4,436 | 5,384 |
| Mollusca | **62,846** | **72,503** | **91,021** | **108,244** | **124,878** | **160,057** |
| Common squid | 24,035 | 22,636 | 33,811 | 40,888 | 48,972 | 78,809 |
| Other squids, cuttlefishes | 12,919 | 18,420 | 20,588 | 28,411 | 20,593 | 27,177 |
| Octopuses | 9,319 | 14,160 | 15,654 | 12,928 | 25,369 | 20,990 |
| Abalone | 3,570 | 3,743 | 4,684 | 5,692 | 6,276 | 6,654 |
| Short necked clams | 2,137 | 2,435 | 2,648 | 3,025 | 3,604 | 3,869 |
| Common scallop | 882 | 871 | 626 | 1,833 | 2,621 | 2,983 |
| "Mogai" clam | 909 | 1,419 | 1,465 | 1,918 | 1,704 | 4,971 |
| Other clams, shell fishes | 9,075 | 8,819 | 11,545 | 13,549 | 15,739 | 14,604 |
| Echinodermata, etc. | **3,561** | **4,676** | **5,425** | **7,044** | **9,030** | **11,218** |
| Marine mammals 1) | **73** | **48** | **78** | **73** | **117** | **135** |

| Species | 1966 | 1967 | 1968 | 1969 | 1970 | 1971 |
|---|---|---|---|---|---|---|
| Sea weeds | **15,092** | **19,488** | **14,897** | **16,597** | **19,936** | **22,444** |
| Kelps | 7,786 | 10,696 | 8,642 | 8,669 | 11,324 | 15,122 |
| "Wakame" seaweed | 2,935 | 4,508 | 2,774 | 3,439 | 4,672 | 3,787 |
| Others | 4,371 | 4,284 | 3,481 | 4,489 | 3,940 | 3,535 |
| Sea Cultures | **97,386** | **107,371** | **100,972** | **113,044** | **135,276** | **137,383** |
| Yellow tail | 6,830 | 8,454 | 13,050 | 15,180 | 21,157 | 34,255 |
| Pearl | 36,782 | 30,821 | 20,396 | 22,600 | 20,105 | 10,823 |
| Oyster | 6,477 | 6,340 | 8,087 | 8,149 | 8,627 | 10,369 |
| "Nori" seaweed | 40,460 | 54,307 | 53,315 | 59,788 | 74,527 | 66,450 |
| "Wakame" seaweed | 1,645 | 3,076 | 3,246 | 3,611 | 6,506 | 6,958 |
| Others | 5,192 | 4,373 | 2,878 | 3,716 | 4,354 | 8,528 |
| Inland Water Fisheries | **11,753** | **10,879** | **11,942** | **14,419** | **17,019** | **21,371** |
| Salmons, trouts | 832 | 919 | 670 | 928 | 1,092 | 1,427 |
| Sweet fish | 4,409 | 3,780 | 4,913 | 4,514 | 5,177 | 8,113 |
| Carps | 1,918 | 1,791 | 1,821 | 2,486 | 2,957 | 2,887 |
| Eel | 1,568 | 1,499 | 1,699 | 2,335 | 2,990 | 3,138 |
| Corbicula | 391 | 324 | 341 | 490 | 674 | 1,257 |
| Others | | | | | | 4,549 |
| Inland Water Cultures | **16,380** | **16,637** | **22,136** | **28,492** | **31,712** | **34,923** |
| Trouts | 1,109 | 1,553 | 1,881 | 2,000 | 2,509 | 4,755 |
| Carps | 2,814 | 2,522 | 2,978 | 4,100 | 5,074 | 7,067 |
| Eel | 11,349 | 11,194 | 15,484 | 20,483 | 22,084 | 18,788 |
| Others | 1,108 | 1,368 | 1,793 | 1,909 | 2,045 | 4,314 |
| Whaling | **29,520** | **25,227** | **23,672** | **22,107** | **27,195** | **31,374** |

Note : 1) Excluded whale.

# 5. CATCH IN QUANTITY BY FISHERY TYPE, 1966~1971

Unit ; Metric tons.

| Type of Fisheries | 1966 | 1967 | 1968 | 1969 | 1970 | 1971 |
|---|---|---|---|---|---|---|
| **Grand Total 1)** | **7,102,482** | **7,850,780** | **8,670,133** | **8,613,422** | **9,314,662** | **9,908,544** |
| Sea Fisheries 1) | 6,557,646 | 7,241,370 | 7,993,048 | 7,975,928 | 8,597,761 | 9,148,756 |
| Distant Waters | 1,912,336 | 2,402,582 | 2,830,343 | 3,165,260 | 3,429,038 | 3,673,686 |
| King crab gill net | 24,851 | 23,821 | 47,275 | 34,637 | 32,725 | 22,781 |
| Salmon drift gill net | 38,930 | 42,544 | 37,642 | 40,274 | 36,409 | 37,238 |
| Large trawls 2) | 1,276,906 | 1,839,530 | 2,266,292 | 2,594,189 | 2,883,058 | 3,164,953 |
| Tuna long lines | 403,370 | 354,390 | 341,069 | 313,270 | 276,028 | 245,361 |
| Skipjack pole-and-line | 168,279 | 142,294 | 125,948 | 145,767 | 162,195 | 164,770 |
| Others | - | - | 12,117 | 37,123 | 38,623 | 38,583 |
| Coastal and Offshore Waters | 4,645,310 | 4,838,791 | 5,162,704 | 4,810,668 | 5,168,723 | 5,475,060 |
| Medium trawls | 528,531 | 583,417 | 572,391 | 607,918 | 765,490 | 894,863 |
| Small trawls | 268,839 | 276,112 | 268,888 | 264,674 | 243,145 | 265,283 |
| Purse seines | 1,276,124 | 1,199,553 | 1,531,144 | 1,484,453 | 1,697,241 | 1,820,862 |
| Saury stick-held-dip net | 234,739 | 216,124 | 126,893 | 51,364 | 83,730 | 171,419 |
| Other lift nets | 90,965 | 94,486 | 103,714 | 64,946 | 87,968 | 106,007 |
| Gill nets | 303,589 | 363,527 | 365,414 | 358,253 | 384,386 | 405,063 |
| Set nets | 212,744 | 246,134 | 220,278 | 240,694 | 257,532 | 262,511 |
| Skipjack pole-and-line | 90,375 | 78,329 | 70,291 | 76,861 | 74,431 | 65,328 |
| Squid angling | 378,502 | 471,958 | 649,056 | 467,491 | 403,692 | 364,577 |
| Other anglings | 230,538 | 231,007 | 224,157 | 218,142 | 189,061 | 142,971 |
| Tuna long line | 78,942 | 74,751 | 77,937 | 79,141 | 76,542 | 71,343 |
| Other long lines | 149,900 | 164,928 | 143,567 | 114,002 | 110,032 | 97,954 |
| Shellfish collectings | 217,974 | 182,400 | 174,104 | 190,680 | 231,777 | 184,161 |
| Seaweed collectings | 265,670 | 313,351 | 277,955 | 246,553 | 208,905 | 243,480 |
| Others | 317,873 | 342,514 | 357,916 | 345,496 | 354,791 | 379,238 |
| Sea Cultures | 405,195 | 470,137 | 521,941 | 473,293 | 549,082 | 608,684 |
| Inland Water Fisheries | 103,266 | 97,421 | 103,212 | 112,157 | 119,364 | 100,716 |
| Inland Water Cultures | 36,375 | 41,852 | 51,932 | 52,044 | 48,455 | 50,398 |
| Whaling 3) | 22,784 | 21,088 | 21,586 | 17,409 | 16,887 | 16,419 |
| Antarctic factory ship type | 12,702 | 9,459 | 8,443 | 5,358 | 5,680 | 7,082 |
| North Pacific factory ship type | 6,474 | 7,318 | 7,548 | 7,178 | 6,463 | 4,876 |
| Coastal large whale type | 2,516 | 3,287 | 4,777 | 4,299 | 4,118 | 3,842 |
| Coastal small whale type | 1,092 | 1,024 | 818 | 574 | 626 | 619 |

Note : 1) Excluded whale

2) Including value of medium trawls operated on the North Pacific Ocean.

3) Actual number of catch.

# 6. CATCH IN VALUE BY FISHERY TYPE, 1966~1971

Unit ; Hundred million yens.

| Type of Fisheries | 1966 | 1967 | 1968 | 1969 | 1970 | 1971 |
|---|---|---|---|---|---|---|
| **Grand Total 1)** | **6,260** | **7,026** | **7,447** | **8,488** | **9,692** | **10,894** |
| Sea Fisheries 1) | **5,005** | **5,677** | **6,097** | **6,928** | **7,851** | **8,957** |
| Distant Waters | **1,860** | **2,193** | **2,381** | **2,702** | **2,969** | **3,348** |
| King crab gill net | 58 | 61 | 75 | 78 | 71 | 78 |
| Salmon drift gill net | 148 | 164 | 143 | 197 | 174 | 145 |
| Large trawls 2) | 816 | 1,127 | 1,273 | 1,391 | 1,505 | 1,681 |
| Tuna long lines | 680 | 677 | 723 | 797 | 895 | 1,048 |
| Skipjack pole-and-line | 158 | 164 | 148 | 195 | 253 | 340 |
| Others | - | - | 19 | 44 | 71 | 56 |
| Coastal and Offshore Waters | **3,145** | **3,484** | **3,716** | **4,226** | **4,882** | **5,609** |
| Medium trawls | 244 | 247 | 250 | 285 | 345 | 385 |
| Small trawls | 308 | 329 | 365 | 424 | 465 | 555 |
| Purse seines | 509 | 597 | 717 | 659 | 819 | 873 |
| Saury stick-held-dip net | 100 | 97 | 68 | 89 | 104 | 144 |
| Other lift nets | 39 | 44 | 48 | 39 | 58 | 65 |
| Gill nets | 371 | 431 | 451 | 551 | 579 | 588 |
| Set nets | 243 | 295 | 275 | 360 | 417 | 515 |
| Skipjack pole-and-line | 80 | 87 | 82 | 108 | 114 | 114 |
| Squid angling | 245 | 234 | 335 | 408 | 484 | 792 |
| Other anglings | 195 | 223 | 222 | 255 | 282 | 269 |
| Tuna long line | 137 | 123 | 137 | 157 | 188 | 220 |
| Other long lines | 186 | 221 | 198 | 211 | 221 | 210 |
| Shellfish collectings | 95 | 99 | 106 | 144 | 165 | 154 |
| Seaweed collectings | 148 | 192 | 147 | 164 | 197 | 223 |
| Others | 245 | 265 | 315 | 372 | 445 | 501 |
| Sea Cultures | **974** | **1,074** | **1,010** | **1,130** | **1,353** | **1,374** |
| Inland Water Fisheries | **118** | **109** | **119** | **144** | **170** | **214** |
| Inland Water Cultures | **164** | **166** | **221** | **285** | **317** | **349** |
| Whaling | **290** | **252** | **237** | **221** | **272** | **314** |
| Antarctic factory ship type | 189 | 151 | 133 | 117 | 148 | 192 |
| North Pacific factory ship type | 84 | 83 | 82 | 80 | 95 | 93 |
| Coastal large whale type | 15 | 17 | 21 | 22 | 27 | 26 |
| Coastal small whale type | 2 | 2 | 1 | 2 | 2 | 2 |

Note : 1) Excluded whale.

2) Including value of medium trawls operated on the North Pacific Ocean.

# 7. CATCH BY MAJOR SPECIES AND BY SEA FISHERY TYPE, 1966~1971

## 1. Albacore, tunas

Unit : Metric tons

| | 1966 | 1967 | 1968 | 1969 | 1970 | 1971 |
|---|---|---|---|---|---|---|
| **Total catch** | **398,330** | **367,324** | **352,887** | **332,749** | **291,017** | **307,965** |
| Mother ship type tuna long line | 43,045 | 32,578 | 42,265 | 30,778 | 18,920 | 15,521 |
| Tuna long line, operated on Atlantic Ocean | 40,306 | 20,432 | 19,627 | 12,509 | 12,190 | 8,707 |
| Tuna long line, based at foreign ports | 28,660 | 20,470 | 18,257 | 12,041 | 7,041 | 4,223 |
| Tuna long line, based at domestic ports | 231,430 | 228,155 | 218,675 | 219,552 | 202,548 | 201,736 |
| Skipjack pole and line | 33,646 | 43,785 | 27,776 | 43,059 | 34,390 | 62,927 |
| Purse seines | 14,804 | 9,608 | 16,390 | 7,757 | 8,582 | 8,231 |
| Large set net | 1,422 | 2,899 | 3,100 | 2,111 | 2,720 | 1,425 |
| Others | 5,017 | 9,397 | 6,767 | 4,942 | 4,626 | 5,195 |

## 2. Marlins, sword fishes

| | | | | | | |
|---|---|---|---|---|---|---|
| **Total catch** | **81,721** | **73,692** | **70,233** | **68,773** | **66,733** | **52,506** |
| Tuna long line, mothership type | 7,656 | 5,968 | 6,424 | 4,461 | 4,247 | 3,817 |
| Tuna long line, operated on Atlantic Ocean | 5,392 | 1,687 | 1,384 | 1,515 | 1,968 | 295 |
| Tuna long line, based at foreign ports | 2,503 | 1,893 | 1,288 | 1,004 | 1,185 | 752 |
| Tuna long line, based at domestic ports | 49,689 | 60,757 | 57,543 | 56,822 | 55,651 | 44,407 |
| Large set nets | 344 | 261 | 260 | 275 | 294 | 206 |
| Others | 16,137 | 3,126 | 3,334 | 4,696 | 3,388 | 3,039 |

## 3. Skipjack, frigate markerel

| | | | | | | |
|---|---|---|---|---|---|---|
| **Total catch** | **258,816** | **211,202** | **191,439** | **209,378** | **231,901** | **191,656** |
| Skipjack pole and line | 224,037 | 175,036 | 166,550 | 178,330 | 200,814 | 165,466 |
| Purse seine, one boat operation | 3,452 | 5,945 | 5,333 | 7,380 | 4,673 | 9,938 |
| Purse seine, two boat operation | 9,241 | 7,185 | 3,243 | 4,884 | 5,144 | 3,566 |
| Other anglings | 5,650 | 3,271 | 5,569 | 8,596 | 8,613 | 3,563 |
| Tuna long lines | 1,555 | 6,786 | 1,133 | 1,362 | 1,645 | 416 |
| Set nets | 10,024 | 9,732 | 7,700 | 6,685 | 4,649 | 4,439 |
| Others | 4,857 | 3,247 | 1,911 | 2,141 | 6,363 | 4,264 |

## 4. Salmons, trouts

| | | | | | | |
|---|---|---|---|---|---|---|
| **Total catch** | **126,629** | **148,419** | **113,790** | **141,309** | **117,896** | **139,299** |
| Mother ship type salmon drift gill net | 38,930 | 42,544 | 37,642 | 40,274 | 36,409 | 37,238 |
| Salmon drift gill net | 50,089 | 57,692 | 51,237 | 54,955 | 45,615 | 47,009 |
| Other long lines | 21,095 | 28,097 | 13,394 | 26,889 | 13,791 | 18,573 |
| Large set nets | 11,716 | 13,431 | 7,254 | 12,601 | 16,700 | 24,678 |
| Small set nets | 2,420 | 3,709 | 2,362 | 3,699 | 3,613 | 6,976 |
| Others | 2,379 | 2,946 | 1,901 | 2,891 | 1,768 | 4,825 |

## 5 . Herring

Unit : Metric tons

| | 1966 | 1967 | 1968 | 1969 | 1970 | 1971 |
|---|---|---|---|---|---|---|
| **Total catch** | **48,617** | **63,672** | **67,920** | **82,240** | **97,374** | **100,483** |
| Mother ship type large trawl | 25,576 | 31,448 | 22,773 | 11,615 | 9,392 | 9,951 |
| Medium trawls | 2,320 | 1,867 | 16,026 | 6,105 | 9,628 | 8,414 |
| Large set nets | 597 | 21 | 8 | 6 | 10 | 7 |
| Small set nets | 1,930 | 7,365 | 321 | 879 | 69 | 151 |
| Other gill nets | 17,663 | 21,518 | 17,731 | 35,542 | 55,128 | 59,686 |
| Others | 531 | 1,453 | 11,061 | 31,093 | 23,147 | 22,274 |

## 6 . Anchory

| | | | | | | |
|---|---|---|---|---|---|---|
| **Total catch** | **407,665** | **365,240** | **357,668** | **376,801** | **365,471** | **350,692** |
| Purse seine of one boat operation | 51,168 | 49,749 | 80,826 | 77,467 | 88,729 | 82,752 |
| Purse seine of two boat operation | 216,214 | 186,081 | 148,113 | 174,444 | 153,568 | 154,886 |
| Other surrounding nets | 13,035 | 11,593 | 18,788 | 4,400 | 2,453 | 2,028 |
| Other lift nets | 14,389 | 10,609 | 15,552 | 12,223 | 10,356 | 9,886 |
| Set nets | 21,629 | 25,278 | 12,431 | 21,379 | 19,483 | 26,360 |
| Others | 91,240 | 81,930 | 81,958 | 86,878 | 90,882 | 74,780 |

## 7 . Jack mackerel, scod

| | | | | | | |
|---|---|---|---|---|---|---|
| **Total catch** | **514,388** | **423,352** | **358,092** | **340,588** | **269,311** | **315,470** |
| Purse seine of one boat operation | 425,562 | 300,215 | 246,049 | 231,679 | 169,406 | 245,765 |
| Purse seine of two boat operation | 44,910 | 43,098 | 35,354 | 39,179 | 33,899 | 29,956 |
| Other surrounding nets | 5,227 | 10,585 | 5,899 | 6,091 | 2,317 | 2,995 |
| Other lift nets | 12,566 | 25,366 | 23,443 | 12,584 | 11,065 | 10,795 |
| Other angling | 3,920 | 5,342 | 4,689 | 4,802 | 4,482 | 3,522 |
| Set nets | 15,653 | 25,028 | 25,372 | 26,611 | 22,007 | 18,375 |
| Trawls | 2,552 | 2,034 | 10,937 | 15,276 | 22,494 | 1,811 |
| Others | 3,998 | 11,684 | 6,349 | 4,366 | 3,641 | 2,551 |

## 8 . Mackerels

| | | | | | | |
|---|---|---|---|---|---|---|
| **Total catch** | **624,423** | **687,474** | **1,015,279** | **1,011,406** | **1,301,918** | **1,253,892** |
| Mackerel pole and line | 138,269 | 137,752 | 132,848 | 126,213 | 96,658 | 56,958 |
| Purse seine of one boat operation | 180,013 | 215,524 | 383,773 | 545,285 | 773,146 | 869,216 |
| Purse seine of two boat operation | 219,984 | 265,854 | 428,312 | 279,411 | 344,879 | 259,915 |
| Other surrounding nets | 2,483 | 2,395 | 3,035 | 2,559 | 2,879 | 1,529 |
| Other lift nets | 24,911 | 17,632 | 17,365 | 11,370 | 19,019 | 21,990 |
| Others | 58,763 | 48,317 | 49,946 | 46,568 | 65,337 | 44,284 |

## 9. Saury

Unit : Metric tons

| | 1966 | 1967 | 1968 | 1969 | 1970 | 1971 |
|---|---|---|---|---|---|---|
| **Total catch** | **241,840** | **220,087** | **140,204** | **63,288** | **93,129** | **190,288** |
| Saury stick-held dip net | 234,623 | 216,100 | 126,821 | 51,259 | 83,683 | 171,393 |
| Other gill nets | 5,331 | 1,707 | 5,839 | 7,987 | 7,310 | 11,293 |
| Surrounding nets | 426 | 736 | 6,067 | 704 | 311 | 97 |
| Set nets | 538 | 1,495 | 1,380 | 3,204 | 1,671 | 6,941 |
| Others | 922 | 46 | 97 | 134 | 154 | 564 |

## 10. Yellow tails

| | | | | | | |
|---|---|---|---|---|---|---|
| **Total ch** | **38,950** | **48,623** | **48,363** | **51,125** | **54,875** | **48,102** |
| Large set nets | 16,530 | 18,285 | 14,456 | 17,824 | 16,473 | 15,179 |
| Small set nets | 2,137 | 2,791 | 3,061 | 3,525 | 4,328 | 4,218 |
| Purse seines | 5,324 | 10,065 | 8,550 | 9,729 | 8,758 | 7,831 |
| Other anglings | 9,802 | 12,144 | 14,956 | 13,396 | 17,567 | 13,838 |
| Others | 5,157 | 5,338 | 7,340 | 6,651 | 7,749 | 7,036 |

## 11. Flounders, halibut

| | | | | | | |
|---|---|---|---|---|---|---|
| **Total catch** | **272,969** | **299,708** | **261,017** | **296,367** | **295,410** | **347,697** |
| Mother ship type large trawl | 97,368 | 110,085 | 70,734 | 113,600 | 101,748 | 134,368 |
| Large trawl, in Bering Sea | 27,084 | 35,704 | 37,044 | 45,407 | 55,830 | 68,276 |
| Large trawl, west of 130°E in East China Sea | 18,664 | 16,112 | 16,052 | 18,312 | 15,545 | 16,512 |
| Medium trawls | 72,658 | 76,994 | 67,628 | 53,106 | 52,012 | 56,074 |
| Small trawls | 25,062 | 25,341 | 26,358 | 26,174 | 26,629 | 27,695 |
| Other gillnets | 21,149 | 25,250 | 29,247 | 28,172 | 31,768 | 33,446 |
| Others | 10,984 | 10,222 | 13,954 | 11,596 | 11,878 | 11,326 |

## 12. Cod

| | | | | | | |
|---|---|---|---|---|---|---|
| **Total catch** | **85,849** | **96,670** | **109,470** | **103,780** | **117,119** | **95,320** |
| Mother ship type large trawl | 20,622 | 32,415 | 42,157 | 39,439 | 48,403 | 17,511 |
| Large trawls | 14,603 | 18,652 | 28,883 | 29,507 | 40,165 | 38,830 |
| Medium trawls | 17,388 | 18,252 | 15,773 | 14,379 | 10,558 | 23,932 |
| Small trawls | 1,923 | 1,901 | 1,176 | 1,353 | 1,003 | 1,183 |
| Other gill nets | 4,443 | 4,538 | 3,875 | 3,617 | 3,383 | 3,583 |
| Other long lines | 25,615 | 19,433 | 16,759 | 13,201 | 12,326 | 9,087 |
| Others | 1,255 | 879 | 847 | 2,284 | 1,281 | 1,194 |

## 13. Alaska

Unit : Metric tons

| | 1966 | 1967 | 1968 | 1969 | 1970 | 1971 |
|---|---|---|---|---|---|---|
| **Total catch** | **774,788** | **1,247,003** | **1,606,025** | **1,944,320** | **2,346,710** | **2,707,443** |
| Mother ship type large trawl | 273,891 | 561,779 | 686,235 | 677,730 | 1,030,825 | 1,075,150 |
| Large trawls | 154,676 | 252,712 | 547,159 | 870,379 | 898,133 | 1,130,301 |
| Medium trawls | 226,662 | 257,652 | 202,407 | 248,317 | 251,446 | 341,086 |
| Small trawls | 1,030 | 930 | 1,340 | 1,865 | 2,023 | 2,518 |
| Other gill nets | 89,926 | 140,480 | 147,735 | 131,967 | 146,167 | 143,638 |
| Other long lines | 28,241 | 32,220 | 20,914 | 13,687 | 17,158 | 13,877 |
| Others | 362 | 1,230 | 235 | 375 | 958 | 873 |

## 14. Croakers

| | | | | | | |
|---|---|---|---|---|---|---|
| **Total catch** | **98,381** | **84,620** | **70,980** | **70,137** | **64,311** | **49,878** |
| Large trawl, on distant waters | 758 | 316 | 269 | 228 | 8 | 1,102 |
| Large trawl, west of 130°E in East China Sea | 94,349 | 80,502 | 67,494 | 62,773 | 59,934 | 44,252 |
| Medium trawls | 596 | 385 | 364 | 255 | 197 | 204 |
| Small trawls | 1,133 | 1,663 | 1,314 | 1,238 | 1,184 | 1,473 |
| Others | 1,545 | 1,754 | 1,539 | 1,643 | 2,988 | 2,847 |

## 15. Sea breams

| | | | | | | |
|---|---|---|---|---|---|---|
| **Total catch** | **39,149** | **40,539** | **37,782** | **38,137** | **38,329** | **29,383** |
| Large trawl, on distant waters | 3,076 | 2,154 | 804 | 4,503 | 6,233 | 1,328 |
| Large trawl, west of 130°E in East China Sea | 6,110 | 5,299 | 4,727 | 3,921 | 3,883 | 2,914 |
| Medium trawls | 2,572 | 3,861 | 3,157 | 2,372 | 2,125 | 1,709 |
| Small trawls | 2,060 | 2,630 | 2,067 | 2,403 | 2,153 | 1,938 |
| Other anglings and long lines | 15,865 | 17,307 | 15,720 | 11,442 | 10,964 | 10,397 |
| Set nets | 1,842 | 1,810 | 2,419 | 2,044 | 2,242 | 1,816 |
| Others | 7,624 | 7,478 | 8,888 | 11,452 | 10,729 | 9,281 |

## 16. Shrimps, prawns, lobster

| | | | | | | |
|---|---|---|---|---|---|---|
| **Total catch** | **70,385** | **62,181** | **67,703** | **59,485** | **55,637** | **51,151** |
| Mother ship type large trawl | 3,127 | 3,287 | 8,754 | 4,412 | 1,950 | 2,057 |
| Large trawl, in Bering sea | 11 | 1,299 | 5,696 | 5,094 | 2,541 | 708 |
| Large trawls, west of 130°E in East China Sea | 4,710 | 1,869 | 3,003 | 3,496 | 2,955 | 1,654 |
| Medium trawls | 8,753 | 5,908 | 6,778 | 8,323 | 5,528 | 3,356 |
| Small trawls | 39,656 | 33,277 | 28,242 | 27,169 | 27,430 | 28,729 |
| Other surrounding nets | 5,858 | 9,374 | 7,659 | 3,398 | 3,966 | 3,116 |
| Others | 8,270 | 7,167 | 7,571 | 7,593 | 11,267 | 11,531 |

## 17. Crabs

Unit : Metric tons

| | 1966 | 1967 | 1968 | 1969 | 1970 | 1971 |
|---|---|---|---|---|---|---|
| **Total catch** | **71,580** | **86,115** | **117,737** | **93,268** | **89,872** | **74,515** |
| Mother ship type kingcrab gill net | 24,851 | 23,821 | 47,275 | 34,637 | 32,725 | 22,781 |
| Medium trawls | 9,595 | 9,125 | 10,504 | 10,637 | 12,047 | 12,014 |
| Small trawls | 3,877 | 4,906 | 5,822 | 4,862 | 5,296 | 4,506 |
| Other gill nets | 7,113 | 9,143 | 8,696 | 6,098 | 3,763 | 4,085 |
| Others | 26,144 | 39,120 | 45,440 | 37,034 | 36,041 | 31,129 |

## 18. Squids, Cuttlefishes

| | | | | | | |
|---|---|---|---|---|---|---|
| **Total catch** | **485,027** | **596,848** | **773,777** | **589,798** | **518,917** | **482,518** |
| Squid anglings | 377,918 | 471,464 | 648,859 | 467,156 | 403,292 | 364,175 |
| Large trawls, on distant waters | 33,089 | 44,191 | 37,466 | 40,825 | 35,086 | 37,159 |
| Large trawls, west of 130°E in East China Sea | 21,625 | 20,214 | 20,093 | 17,451 | 19,295 | 22,864 |
| Medium trawls | 8,736 | 11,405 | 13,635 | 13,198 | 14,888 | 15,671 |
| Small trawls | 7,411 | 7,416 | 6,360 | 7,766 | 8,461 | 8,617 |
| Large set nets | 14,462 | 16,101 | 13,929 | 11,931 | 13,941 | 10,397 |
| Small set nets | 11,734 | 13,698 | 19,162 | 17,021 | 11,799 | 10,209 |
| Others | 10,052 | 12,359 | 14,273 | 14,450 | 12,155 | 13,426 |

## 19. Octopuses

| | | | | | | |
|---|---|---|---|---|---|---|
| **Total catch** | **65,551** | **98,130** | **12,718** | **92,418** | **96,127** | **85,507** |
| Large trawls | 22,586 | 55,178 | 64,791 | 52,213 | 50,853 | 38,063 |
| Medium trawls | 3,870 | 3,692 | 3,973 | 4,111 | 4,112 | 3,127 |
| Small trawls | 6,394 | 8,295 | 7,560 | 8,618 | 9,122 | 8,972 |
| Other anglings | 3,867 | 3,859 | 2,939 | 2,910 | 2,471 | 2,579 |
| Other long lines | 10,260 | 9,030 | 7,529 | 6,568 | 9,335 | 11,302 |
| Others | 18,574 | 18,076 | 15,926 | 17,998 | 20,234 | 21,464 |

# 8. NUMBER OF SEA FISHING ESTABLISHMEMTS, 1966～1971

Unit ; Number.

| Strata | 1966 | 1967 | 1968 | 1969 | 1970 | 1971 |
|---|---|---|---|---|---|---|
| **GRAND TOTAL** | **224,043** | **227,547** | **228,758** | **232,219** | **228,215** | **225,438** |
| Fisheries using non-powered vessels | 26,275 | 22,576 | 20,083 | 15,512 | 12,877 | 9,937 |
| Fisheries using powered vessels | | | | | | |
| Less than 3 tons ..... | 93,791 | 96,463 | 99,220 | 103,705 | 102,051 | 101,568 |
| 3 - 5 tons ..... | 15,865 | 16,952 | 20,739 | 20,601 | 20,816 | 21,825 |
| 5 - 10 tons ..... | 5,881 | 6,129 | 6,173 | 7,007 | 7,051 | 7,304 |
| 10 - 30 tons ..... | 4,939 | 5,078 | 4,970 | 5,216 | 5,186 | 5,193 |
| 30 - 100 tons ..... | 2,674 | 2,747 | 2,629 | 2,729 | 2,717 | 2,781 |
| 100 - 200 tons ..... | 620 | 646 | 620 | 663 | 691 | 711 |
| 200 - 500 tons ..... | 528 | 538 | 541 | 563 | 587 | 584 |
| 500 - 1,000 tons ..... | 220 | 248 | 243 | 267 | 263 | 252 |
| 1,000 tons and over ..... | 140 | 141 | 154 | 156 | 169 | 172 |
| Large set nets ..... | 889 | 872 | 711 | 827 | 847 | 861 |
| Small set nets ..... | 6,494 | 6,377 | 5,074 | 5,577 | 5,701 | 5,807 |
| Beach seine ..... | 1,001 | 919 | 1,069 | 904 | 811 | 784 |
| Laver culture ..... | 45,091 | 46,932 | 47,767 | 48,487 | 48,585 | 47,226 |
| Oyster culture ..... | 3,893 | 3,699 | 3,299 | 3,658 | 3,484 | 3,471 |
| Pearl culture ..... | 4,282 | 4,277 | 3,642 | 3,675 | 3,380 | 2,808 |
| Other culture ..... | 11,460 | 12,953 | 11,824 | 12,672 | 12,999 | 14,154 |

Note; 1. Excluding fishing establishments without fishing vessel.
2. Excluding fishing establishments which engaged less than 30 days in a year.

# 9. SEA FISHERY WORKERS, 1966～1971

Unit ; 1,000 persons.

| | 1966 | 1967 | 1968 | 1969 | 1970 | 1971 |
|---|---|---|---|---|---|---|
| Grand total ..... | 607.4 | 592.8 | 593.8 | 572.1 | 549.4 | 525.4 |
| Men ..... | 495.7 | 485.5 | 486.2 | 458.8 | 437.9 | 423.5 |
| 15 - 39 years old ..... | 246.1 | 236.1 | 236.7 | 215.7 | 202.7 | 189.3 |
| 40 - 59 years old ..... | 176.5 | 177.6 | 178.7 | 172.8 | 167.3 | 167.7 |
| 60 years old and over ..... | 72.8 | 71.6 | 70.7 | 70.4 | 67.9 | 66.5 |
| Women ..... | 111.6 | 107.3 | 107.7 | 113.3 | 111.5 | 101.9 |

# 10. NUMBER OF FISHING VESSELS, 1966~1971

| Size | 1966 | 1967 | 1968 | 1969 | 1970 | 1971 |
|---|---|---|---|---|---|---|
| **Sea** | | | | | | |
| Non-powered ..... | 153,025 | 139,283 | 126,709 | 116,945 | 104,957 | 97,613 |
| Powered ..... | 226,045 | 239,083 | 248,791 | 253,573 | 265,652 | 276,903 |
| Less than 5 G.T. ..... | 200,278 | 213,029 | 222,956 | 227,599 | 239,412 | 250,081 |
| 5 - 9 G.T. ..... | 8,204 | 8,448 | 8,464 | 8,632 | 8,923 | 9,395 |
| 10 - 49 G.T. ..... | 12,084 | 12,013 | 11,598 | 11,358 | 11,085 | 11,050 |
| 50 - 99 G.T. ..... | 3,447 | 3,353 | 3,292 | 3,339 | 3,444 | 3,460 |
| 100 - 199 G.T. ..... | 891 | 971 | 1,091 | 1,149 | 1,212 | 1,244 |
| 200 - 499 G.T. ..... | 867 | 953 | 1,063 | 1,172 | 1,251 | 1,349 |
| 500 - 999 G.T. ..... | 106 | 128 | 126 | 119 | 117 | 115 |
| 1,000 G.T. and over ..... | 168 | 188 | 201 | 205 | 208 | 209 |
| **Inland Water** | | | | | | |
| Non-powered ..... | 17,887 | 14,933 | 17,026 | 15,658 | 15,643 | 16,746 |
| Powered ..... | 4,219 | 4,703 | 4,753 | 5,214 | 5,537 | 5,679 |
| Less than 5 G.T. ..... | 4,212 | 4,700 | 4,750 | 5,211 | 5,532 | 5,675 |
| 5 G.T. and over ..... | 7 | 3 | 3 | 3 | 5 | 4 |

# 11. GROSS TONNAGES OF FISHING VESSELS, 1966~1971

| Size | 1966 | 1967 | 1968 | 1969 | 1970 | 1971 |
|---|---|---|---|---|---|---|
| **Sea** | | | | | | |
| Non-powered ..... | 121,440 | 106,831 | 92,118 | 80,781 | 72,520 | 67,397 |
| Powered ..... | 2,128,738 | 2,255,279 | 2,308,973 | 2,362,389 | 2,443,725 | 2,464,037 |
| Less than 5 G.T. ..... | 350,808 | 370,666 | 384,660 | 391,305 | 409,216 | 426,912 |
| 5 - 9 G.T. ..... | 61,604 | 63,699 | 64,131 | 65,517 | 68,082 | 72,177 |
| 10 - 49 G.T. ..... | 286,436 | 282,145 | 271,044 | 261,403 | 252,433 | 247,614 |
| 50 - 99 G.T. ..... | 282,462 | 276,337 | 268,909 | 272,671 | 278,707 | 277,371 |
| 100 - 199 G.T. ..... | 134,265 | 148,667 | 166,354 | 174,593 | 182,826 | 186,315 |
| 200 - 499 G.T. ..... | 273,184 | 304,473 | 340,242 | 373,464 | 403,768 | 433,633 |
| 500 - 999 G.T. ..... | 78,613 | 95,519 | 95,012 | 90,549 | 89,542 | 87,857 |
| 1,000 G.T. and over ..... | 661,366 | 713,772 | 718,621 | 732,887 | 759,152 | 732,158 |
| **Inland Water** | | | | | | |
| Non-powered ..... | 8,927 | 7,354 | 8,172 | 7,882 | 8,202 | 8,495 |
| Powered ..... | 5,519 | 6,048 | 6,157 | 6,646 | 6,870 | 7,062 |
| Less than 5 G.T. ..... | 5,461 | 6,020 | 6,129 | 6,618 | 6,822 | 7,021 |
| 5 G.T. and over ..... | 58 | 28 | 28 | 28 | 48 | 41 |

# 12. PROCESSED FISHERY PRODUCTS, 1966~1971

Unit; Thousand metric tons. Canned; Thousand cases.

| Processed products 1) | 1966 | 1967 | 1968 | 1969 | 1970 | 1971 |
|---|---|---|---|---|---|---|
| Boiled and dried | 82.7 | 88.9 | 101.6 | 80.8 | 83.3 | 84.1 |
| Anchovies | 56.3 | 58.8 | 68.8 | 58.1 | 58.0 | 59.6 |
| Jack mackerel | - | 6.5 | 8.4 | 6.2 | 6.4 | 5.5 |
| Sand lance | 4.5 | 6.3 | 8.3 | 4.4 | 4.4 | 5.3 |
| Others | 21.9 | 17.2 | 16.1 | 12.1 | 14.5 | 13.7 |
| Cured | 83.4 | 82.0 | 89.2 | 93.5 | 98.4 | 95.0 |
| Mackerels | 11.0 | 9.5 | 13.9 | 14.5 | 20.8 | 22.4 |
| Skipjack | 22.3 | 20.0 | 20.5 | 21.3 | 21.8 | 20.7 |
| Others | 50.1 | 52.4 | 54.8 | 57.7 | 55.8 | 51.9 |
| Dried | 38.5 | 45.2 | 48.6 | 38.0 | 41.9 | 39.5 |
| Herring | 5.3 | 9.6 | 10.8 | 13.4 | 17.5 | 18.3 |
| Squids | 21.3 | 25.1 | 27.0 | 14.5 | 11.1 | 8.0 |
| Others | 11.9 | 10.5 | 10.8 | 10.1 | 13.2 | 13.2 |
| Dressed frozen | --- | --- | --- | --- | 51.6 | 70.3 |
| Frozen | 1,825.7 | 2,021.5 | 2,355.7 | 2,207.4 | 2,434.2 | 2,750.3 |
| Albacore, tuna | 379.3 | 253.0 | 267.8 | 250.0 | 196.2 | 210.0 |
| Cod, Alaska pollack | 22.0 | 23.1 | 46.2 | 69.1 | 42.4 | 52.5 |
| Halibut, flounders | 60.8 | 60.3 | 50.1 | 63.7 | 88.5 | 126.0 |
| Marckerels | 173.4 | 176.4 | 299.9 | 242.1 | 386.9 | 441.2 |
| Marlins | 59.0 | 52.9 | 53.8 | 52.2 | 52.8 | 39.5 |
| Sardines, anchovies | 87.5 | 87.1 | 92.2 | 108.3 | 89.7 | 102.1 |
| Saury | 168.4 | 156.6 | 102.9 | 50.4 | 76.6 | 179.9 |
| Skipjack | 34.0 | 27.9 | 24.7 | 35.8 | 45.2 | 49.3 |
| Squids, cuttlefishes, octopus | 197.5 | 296.3 | 386.1 | 285.9 | 254.4 | 231.1 |
| Whales | 167.4 | 156.7 | 139.5 | 120.3 | 118.7 | 118.1 |
| Minced fish meat | 47.6 | 99.1 | 153.8 | 220.4 | 292.0 | 359.3 |
| Others | 428.8 | 632.1 | 738.7 | 708.6 | 790.8 | 841.3 |
| Kneaded | 895.1 | 911.9 | 999.4 | 1,077.2 | 1,081.3 | 1,127.1 |
| "Chikuwa" 2) | 157.6 | 171.7 | 194.0 | 204.3 | 221.5 | 238.5 |
| Fish sausage | 176.0 | 164.4 | 161.8 | 168.8 | 169.5 | 165.4 |
| "Kamaboko" 3) | 270.2 | 294.8 | 336.4 | 368.0 | 356.4 | 379.8 |
| Others | 291.3 | 280.9 | 307.2 | 336.1 | 333.9 | 343.4 |
| Manure and feed | 450.9 | 511.7 | 639.5 | 740.1 | 802.0 | 843.4 |
| Fish meal | 225.9 | 265.2 | 309.7 | 368.8 | 404.4 | 421.9 |
| Dried press cake | 130.3 | 140.6 | 171.7 | 209.4 | 250.7 | 252.9 |
| Others | 94.7 | 106.0 | 158.0 | 162.0 | 146.9 | 168.7 |
| Oil and fat | 124.8 | 124.3 | 134.7 | 145.0 | 176.9 | 160.0 |
| Fish oil | 22.6 | 24.1 | 37.8 | 50.8 | 86.5 | 72.3 |
| Fish visceral oil | 13.7 | 18.3 | 15.6 | 21.7 | 17.9 | 15.8 |
| Whale oil | 88.5 | 81.9 | 80.9 | 72.2 | 72.3 | 71.8 |
| Others | 0.0 | 0.0 | 0.4 | 0.3 | 0.2 | 0.2 |
| Salted | 167.3 | 156.9 | 184.0 | 206.2 | 180.2 | 223.4 |
| Alaska pollack roe, cod roe | 14.3 | 18.6 | 24.7 | 28.9 | 33.2 | 34.8 |
| Cod, Alaska pollack | 11.6 | 14.6 | 12.8 | 12.9 | 11.1 | 17.7 |
| Herring roe, salmon roe | 1.6 | 3.9 | 2.4 | 3.3 | 5.0 | 5.4 |
| Mackerels | 53.2 | 43.5 | 71.8 | 52.9 | 53.8 | 55.5 |
| Salmons | 31.0 | 24.4 | 30.4 | 30.1 | 42.0 | 53.8 |
| Trouts | 22.5 | 26.6 | 25.5 | 49.9 | 14.9 | 33.9 |
| Others | 33.1 | 25.3 | 16.4 | 28.2 | 20.2 | 22.3 |

Unit ; Thousand metric tons. Canned; Thousand cases.

| Processed products | 1966 | 1967 | 1968 | 1969 | 1970 | 1971 |
|---|---|---|---|---|---|---|
| Salted and dried | 121.1 | 125.2 | 134.8 | 159.6 | 144.5 | 181.6 |
| Jack mackerel | 29.0 | 34.9 | 37.5 | 43.3 | 39.2 | 38.9 |
| Mackerels | 14.2 | 13.3 | 21.1 | 24.7 | 25.9 | 29.8 |
| Sardines, anchovies | 29.6 | 26.8 | 26.8 | 42.6 | 22.6 | 50.8 |
| Saury | 15.9 | 13.8 | 10.1 | 4.3 | 4.6 | 3.8 |
| Others | 32.4 | 36.4 | 39.4 | 44.8 | 52.2 | 58.2 |
| Smoked | 6.4 | 9.0 | 12.3 | 9.2 | 7.6 | 8.1 |
| Salmons, trouts | 0.5 | 0.3 | 0.4 | 0.6 | 0.7 | 0.8 |
| Squids, cuttlefishes | 1.3 | 2.5 | 4.9 | 0.7 | 0.5 | 0.3 |
| Whale meat | - | 3.6 | 4.9 | 5.4 | 3.8 | 4.6 |
| Others | 4.6 | 2.5 | 2.1 | 2.6 | 2.6 | 2.4 |
| Others | 197.1 | 233.2 | 230.2 | 246.5 | 251.3 | 240.8 |
| Canned 4) Standard cases 5) | 12,755 | 14,470 | 14,706 | 14,116 | 16,210 | 18,289 |
| Actual cases | 27,333 | 31,243 | 30,743 | 30,864 | 32,192 | 36,473 |
| Shellfishes | 842 | 1,022 | 915 | 817 | 836 | 1,056 |
| Crabs | 318 | 369 | 362 | 314 | 319 | 136 |
| Jack mackerel | 821 | 462 | 233 | 14 | 0 | 13 |
| Mackerel | 3,793 | 4,999 | 7,663 | 6,473 | 8,358 | 10,010 |
| Prawns, shrimps | 31 | 29 | 48 | 6 | 9 | 9 |
| Salmons, trouts | 1,491 | 1,709 | 814 | 1,151 | 1,077 | 1,873 |
| Sardines, anchovies | 251 | 169 | 54 | 150 | 47 | 73 |
| Saury | 578 | 501 | 508 | 284 | 235 | 569 |
| Squids, cuttlefishes | 194 | 453 | 307 | 327 | 274 | 43 |
| Tunas, skipjack | 2,944 | 3,264 | 2,634 | 3,358 | 4,150 | 3,355 |
| Whale | 950 | 986 | 761 | 655 | 622 | 819 |
| Others | 542 | 502 | 407 | 567 | 283 | 333 |

Note : 1) Excluding Dried seaweeds.

2) Baked products of kneaded fish meat with seasonings.

3) Steamed products of kneaded fish meat with seasonings.

4) Surveyed by the Canners Association of Japan.

5) Converted to 450 g x 48 cans in net weight for one case.

# 13. VALUE OF IMPORTS AND EXPORTS BY COMMODITY, 1961～1971

Imports

| Year | Live animals | Fresh and frozen | | | Salted, dried and smoked | Raw agar-agar | Fish meals |
|---|---|---|---|---|---|---|---|
| | | Shrimps | Whale meats | Others | | | |
| 1961 | --- | 2,509 | - | 523 | 579 | 679 | 963 |
| 1962 | --- | 2,221 | 907 | 1,517 | 826 | 590 | 1,812 |
| 1963 | --- | 8,449 | 760 | 2,143 | 1,427 | 643 | 3,984 |
| 1964 | 1,027 | 11,317 | 1,644 | 5,163 | 2,638 | 502 | 4,919 |
| 1965 | 535 | 12,938 | 1,332 | 7,244 | 3,592 | 562 | 5,897 |
| 1966 | 931 | 21,631 | 1,691 | 9,765 | 5,143 | 1,923 | 6,657 |
| 1967 | 1,305 | 28,704 | 2,688 | 11,060 | 6,155 | 2,562 | 4,867 |
| 1968 | 1,752 | 28,108 | 758 | 14,023 | 7,690 | 816 | 7,278 |
| 1969 | 2,745 | 43,829 | 880 | 19,005 | 7,033 | 896 | 5,919 |
| 1970 | 5,851 | 49,329 | 1,374 | 26,394 | 12,478 | 772 | 6,689 |
| 1971 | 7,779 | 73,333 | 1,903 | 42,467 | 13,838 | 610 | 1,414 |

Exports

| Year | Frozen | | Salted and dried | Canned | | |
|---|---|---|---|---|---|---|
| | Tunas, Marlins | Others | | Jack mackerel, mackerel | Salmons | Saury |
| 1961 | 16,481 | 4,004 | 2,021 | --- | 13,354 | 787 |
| 1962 | 22,289 | 6,791 | 2,036 | --- | 32,843 | 2,026 |
| 1963 | 18,638 | 7,507 | 2,039 | 3,696 | 16,322 | 3,059 |
| 1964 | 22,320 | 9,025 | 2,302 | 5,746 | 15,309 | 3,289 |
| 1965 | 21,273 | 10,707 | 2,202 | 4,951 | 21,945 | 1,202 |
| 1966 | 31,818 | 10,724 | 2,892 | 8,495 | 13,766 | 1,817 |
| 1967 | 18,031 | 11,820 | 2,880 | 10,180 | 16,680 | 688 |
| 1968 | 17,758 | 14,895 | 3,212 | 14,502 | 21,000 | 312 |
| 1969 | 12,619 | 18,342 | 4,354 | 15,294 | 13,713 | 112 |
| 1970 | 13,983 | 21,573 | 4,248 | 19,573 | 16,181 | 41 |
| 1971 | 13,794 | 25,487 | 4,230 | 23,140 | 18,796 | 29 |

Unit ; Million yens.

| Pearls | Oil and fat | Prepared | Dried seaweeds | Others | Total |
|---|---|---|---|---|---|
| --- | --- | --- | 293 | --- | 8,173 |
| 457 | 114 | 218 | 428 | 1,601 | 10,693 |
| 419 | 64 | 388 | 432 | 2,678 | 21,386 |
| 621 | 64 | 373 | 1,889 | 2,109 | 32,266 |
| 905 | 69 | 1,281 | 0 | 3,067 | 37,422 |
| 1,248 | 400 | 2,240 | 3,474 | 5,229 | 60,332 |
| 794 | 297 | 2,184 | 3,924 | 4,427 | 68,966 |
| 1,448 | 424 | 1,532 | 5,953 | 2,352 | 72,135 |
| 1,496 | 558 | 1,808 | 6,441 | 3,232 | 93,843 |
| 1,474 | 229 | 3,561 | 3,099 | 3,378 | 114,628 |
| 1,315 | 356 | 5,721 | 1,337 | 3,272 | 153,345 |

Unit ; Million yens.

| | | | Oil and fat | | | | |
|---|---|---|---|---|---|---|---|
| Tunas | Crabs | Others | Whale Oil | Others | Pearls | Others | Total |
| 10,704 | 4,268 | 6,536 | 7,697 | 1,214 | 12,883 | 2,352 | 82,301 |
| 11,912 | 3,891 | 5,934 | 5,423 | 978 | 15,063 | 3,479 | 112,666 |
| 12,674 | 3,948 | 4,338 | 9,111 | 472 | 17,024 | 2,926 | 101,755 |
| 13,536 | 4,635 | 3,717 | 7,970 | 466 | 19,828 | 3,843 | 111,987 |
| 12,859 | 4,531 | 3,647 | 7,296 | 234 | 23,118 | 5,030 | 118,997 |
| 17,121 | 3,876 | 4,687 | 4,406 | 250 | 23,291 | 7,193 | 130,338 |
| 18,544 | 3,716 | 4,894 | 2,942 | 356 | 19,813 | 6,866 | 117,411 |
| 19,776 | 5,446 | 4,410 | 1,027 | 343 | 16,849 | 6,685 | 126,217 |
| 23,683 | 5,534 | 4,977 | 1,497 | 328 | 17,510 | 6,919 | 124,881 |
| 28,862 | 2,929 | 5,590 | 2,597 | 1,307 | 14,725 | 9,110 | 140,717 |
| 23,016 | 3,966 | 5,288 | 4,681 | 2,431 | 12,599 | 9,205 | 146,662 |

# 14. VALUE OF IMPORTS AND EXPORTS BY COUNTRY, 1961~1971

Imports

| Year | Republic of Korea | Taiwan | P. R. China | U. S. A. | Spain | India | Indonesia |
|---|---|---|---|---|---|---|---|
| 1961 | 1,330 | 49 | 495 | 699 | 0 | 19 | 56 |
| 1962 | 2,678 | 60 | 1,158 | 529 | 5 | 10 | 31 |
| 1963 | 2,998 | 191 | 2,597 | 1,243 | 428 | 24 | 47 |
| 1964 | 5,729 | 345 | 5,778 | 2,136 | 1,004 | 324 | 94 |
| 1965 | 5,758 | 293 | 6,559 | 2,573 | 2,074 | 440 | 148 |
| 1966 | 10,050 | 723 | 11,501 | 6,263 | 2,562 | 659 | 337 |
| 1967 | 11,670 | 1,305 | 7,029 | 5,286 | 1,812 | 1,704 | 190 |
| 1968 | 11,549 | 2,530 | 5,663 | 6,235 | 1,111 | 2,384 | 690 |
| 1969 | 12,262 | 4,232 | 6,842 | 9,180 | 1,049 | 4,317 | 2,614 |
| 1970 | 14,203 | 9,151 | 10,815 | 8,700 | 2,519 | 5,317 | 3,791 |
| 1971 | 17,327 | 13,324 | 11,049 | 10,236 | 9,332 | 8,601 | 8,336 |

Exports

| Year | U. S. A. | United Kingdom | Nether-land | Republic of Germany | Philip-pines | Puerto Rico | Australia | Canada |
|---|---|---|---|---|---|---|---|---|
| 1961 | 30,976 | 10,984 | 6,326 | 3,822 | 857 | 84 | 2,188 | 1,493 |
| 1962 | 38,507 | 33,379 | 2,887 | 4,350 | 770 | 1,699 | 1,948 | 1,956 |
| 1963 | 31,662 | 17,618 | 5,836 | 4,839 | 2,941 | 2,900 | 1,949 | 1,695 |
| 1964 | 32,479 | 16,548 | 3,930 | 6,764 | 4,197 | 5,300 | 2,676 | 1,851 |
| 1965 | 32,140 | 22,660 | 4,166 | 9,770 | 3,348 | 4,890 | 3,393 | 2,207 |
| 1966 | 42,349 | 14,840 | 4,006 | 8,209 | 4,753 | 7,199 | 3,123 | 2,512 |
| 1967 | 33,094 | 17,550 | 4,482 | 7,068 | 7,064 | 4,060 | 3,068 | 2,456 |
| 1968 | 37,166 | 21,372 | 2,603 | 7,575 | 7,108 | 3,189 | 3,341 | 2,152 |
| 1969 | 37,390 | 13,323 | 3,145 | 8,215 | 5,752 | 2,326 | 4,009 | 2,721 |
| 1970 | 41,951 | 16,835 | 4,982 | 9,082 | 5,760 | 3,116 | 5,322 | 3,932 |
| 1971 | 40,107 | 15,763 | 6,985 | 6,917 | 6,549 | 5,896 | 4,971 | 4,833 |

Unit : Million yens

| Thailand | Mexico | Australia | Okinawa | Hong Kong | Malaysia (Malaya 11 shires) | Canada | Others | Total |
|---|---|---|---|---|---|---|---|---|
| 14 | 1,730 | 126 | 289 | 386 | 19 | 70 | 2,891 | **8,173** |
| 34 | 728 | 255 | 319 | 566 | 34 | 139 | 4,147 | **10,693** |
| 427 | 2,792 | 779 | 701 | 1,909 | 34 | 223 | 6,993 | **21,386** |
| 1,098 | 3,464 | 1,126 | 443 | 1,383 | 15 | 286 | 9,041 | **32,266** |
| 1,404 | 3,734 | 1,192 | 464 | 2,101 | 14 | 411 | 10,257 | **37,422** |
| 2,703 | 4,334 | 1,782 | 1,271 | 2,800 | 127 | 715 | 14,505 | **60,332** |
| 3,845 | 7,320 | 2,069 | 2,016 | 3,112 | 526 | 986 | 20,096 | **68,966** |
| 4,195 | 5,437 | 2,486 | 2,794 | 3,958 | 733 | 1,465 | 20,905 | **72,135** |
| 5,825 | 5,786 | 5,225 | 2,842 | 5,349 | 1,636 | 1,224 | 25,460 | **93,843** |
| 5,651 | 7,355 | 5,779 | 4,400 | 3,819 | 1,869 | 1,846 | 29,413 | **114,628** |
| 7,902 | 7,856 | 7,206 | 6,362 | 5,651 | 3,951 | 3,396 | 32,816 | **153,345** |

Unit : Million yens.

| Italy | Okinawa | Switzer-land | France | Hong Kong | Belgium | Spain | Others | Total |
|---|---|---|---|---|---|---|---|---|
| 3,179 | 1,314 | 2,448 | 1,613 | 1,787 | 1,925 | --- | 13,305 | **82,301** |
| 4,829 | 1,184 | 3,399 | 1,684 | 2,007 | 1,932 | 103 | 12,032 | **112,666** |
| 5,970 | 1,365 | 3,985 | 2,645 | 2,373 | 1,897 | 521 | 13,559 | **101,755** |
| 5,124 | 1,708 | 3,856 | 3,034 | 4,112 | 2,114 | 288 | 18,006 | **111,987** |
| 6,064 | 2,175 | 4,508 | 3,488 | 2,313 | 2,341 | 1,197 | 14,337 | **118,997** |
| 9,692 | 2,569 | 4,909 | 3,141 | 3,313 | 2,137 | 1,496 | 16,090 | **130,338** |
| 6,212 | 2,760 | 4,849 | 2,006 | 2,606 | 1,989 | 1,027 | 17,120 | **117,411** |
| 5,385 | 2,841 | 3,896 | 2,996 | 2,852 | 1,796 | 1,397 | 20,548 | **126,217** |
| 4,452 | 3,731 | 4,320 | 3,420 | 4,048 | 2,552 | 1,322 | 24,155 | **124,881** |
| 5,851 | 4,027 | 3,735 | 2,013 | 4,123 | 2,084 | 1,831 | 26,073 | **140,717** |
| 4,779 | 4,282 | 3,507 | 3,291 | 3,011 | 2,545 | 2,060 | 31,166 | **146,662** |

# 15. VALUE OF IMPORTS AND EXPORTS OF (by Country, and by Commodity)

A. Imports

| Origin | Live animals | Fresh and frozen | | | Slated, dried and smoked |
|---|---|---|---|---|---|
| | | Shrimps | Whole meats | Others | |
| **Total** | **7,779** | **73,333** | **1,903** | **42,467** | **13,838** |
| Republic of Korea | 1,536 | 184 | 171 | 8,992 | 1,555 |
| Taiwan | 4,943 | 3,570 | - | 4,018 | 108 |
| P. R. China | 38 | 6,355 | - | 1,311 | 2,491 |
| U. S. A. | 142 | 1,136 | - | 2,022 | 6,500 |
| Spain | - | 1 | - | 9,267 | - |
| India | - | 8,521 | - | 3 | 4 |
| Indonesia | 5 | 7,689 | - | 82 | 354 |
| Thailand | 102 | 6,465 | - | 1,098 | 6 |
| Mexico | - | 7,679 | - | 0 | - |
| Australia | 0 | 5,190 | - | 472 | - |
| Ryuku Island | 210 | 149 | - | 5,338 | 105 |
| Hong Kong | 290 | 5,103 | - | 142 | 4 |
| Malaysia (Malaya 11 shires) | - | 3,546 | - | 231 | 120 |
| Canada | 1 | 2 | 303 | 823 | 2,254 |
| Others | 511 | 17,743 | 1,429 | 8,668 | 337 |

# FISHERY PRODUCTS, 1971

Unit : Million yens

| Raw agar-agar | Fish meals | Pearls | Oil and fat | Prepared | Dried seaweeds | Others | Total |
|---|---|---|---|---|---|---|---|
| **610** | **1,414** | **1,315** | **356** | **5,721** | **1,337** | **3,272** | **153,345** |
| - | - | - | 5 | 2,398 | 1,337 | 1,149 | **17,327** |
| - | - | 0 | 13 | 621 | - | 51 | **13,324** |
| - | - | 0 | - | 831 | - | 23 | **11,049** |
| - | - | 0 | 137 | 170 | - | 129 | **10,236** |
| - | - | - | 28 | 2 | - | 34 | **9,332** |
| - | - | 12 | - | 53 | - | 8 | **8,601** |
| 4 | - | 7 | - | 7 | - | 188 | **8,336** |
| - | - | 12 | - | 211 | - | 8 | **7,902** |
| 2 | - | - | - | 50 | - | 125 | **7,856** |
| - | 2 | 942 | - | 544 | - | 56 | **7,206** |
| - | - | 23 | - | 174 | - | 363 | **6,362** |
| - | - | 1 | - | 109 | - | 2 | **5,651** |
| - | - | - | - | 55 | - | - | **3,951** |
| - | - | - | - | 13 | - | - | **3,396** |
| 604 | 1,412 | 318 | 173 | 483 | - | 1,137 | **32,816** |

## B. Export

| Destination | Frozen | | Salted and dried | Canned | | |
|---|---|---|---|---|---|---|
| | Tunas Marlins | Others | | Jack mackerel, Mackerel | Salmons | Saury |
| **Total** | **13,794** | **25,487** | **4,230** | **23,140** | **18,796** | **29** |
| U.S.A. ..... | 4,940 | 8,187 | 645 | 1,012 | 255 | 5 |
| United Kingdom ... | 1 | 1,001 | 9 | 812 | 12,388 | - |
| Netherland ..... | 1 | 907 | 1 | 283 | 1,031 | - |
| Republic of Germany | 0 | 446 | 11 | 899 | 20 | - |
| Philippines ..... | - | - | 0 | 6,349 | 3 | - |
| Puerto Rico ..... | 5,892 | - | - | - | - | - |
| Australia ..... | - | 1,376 | 7 | 82 | 2,891 | - |
| Canada ..... | 22 | 556 | 29 | 43 | 61 | 1 |
| Italy ..... | 1,585 | 2,623 | 1 | 10 | 6 | - |
| Okinawa ..... | 39 | 1,426 | 1,202 | 209 | 3 | 21 |
| Switzerland ..... | - | 6 | 0 | 8 | 16 | - |
| France ..... | 307 | 55 | 3 | 24 | 654 | - |
| Hong Kong ..... | 23 | 12 | 1,489 | 43 | 0 | 0 |
| Belgium ..... | - | 51 | 3 | 404 | 729 | - |
| Spain ..... | 218 | 532 | - | - | 5 | - |
| Others ..... | 766 | 8,309 | 830 | 12,962 | 734 | 0 |

Unit : Million yens

| | | | Oil and fat | | | | |
|---|---|---|---|---|---|---|---|
| Tunas | Crabs | Others | Whale Oil | Others | Pearls | Others | Total |
| **23,016** | **3,966** | **5,288** | **4,681** | **2,431** | **12,599** | **9,205** | **146,662** |
| 12,024 | 2,199 | 2,574 | 761 | 1,666 | 2,317 | 3,522 | **40,107** |
| 559 | 349 | 55 | - | 4 | 113 | 470 | **15,763** |
| 358 | 148 | 18 | 3,630 | 440 | 106 | 62 | **6,985** |
| 1,866 | 10 | 56 | - | 6 | 3,462 | 141 | **6,917** |
| - | - | 31 | - | 1 | - | 165 | **6,549** |
| 1 | - | - | - | - | 0 | 3 | **5,896** |
| 14 | 149 | 157 | - | 1 | 82 | 212 | **4,971** |
| 2,892 | 1 | 950 | - | 28 | 85 | 165 | **4,833** |
| 54 | 11 | 74 | - | - | 124 | 291 | **4,779** |
| 404 | 12 | 335 | - | 4 | 46 | 581 | **4,282** |
| 1,100 | - | 30 | - | - | 2,336 | 11 | **3,507** |
| 1,181 | 387 | 7 | - | 5 | 362 | 306 | **3,291** |
| 6 | 4 | 144 | - | 4 | 1,166 | 120 | **3,011** |
| 734 | 379 | 97 | - | - | 83 | 65 | **2,545** |
| 0 | 24 | 498 | - | 2 | 779 | 2 | **2,060** |
| 1,823 | 293 | 262 | 290 | 270 | 1,536 | 3,090 | **31,166** |

# 16. FOOD BALANCE SHEET ON FISHERY PRODUCTS, 1966～1971

Unit ; Thousand metric tons.

| Description | 1966 | 1967 | 1968 | 1969 | 1970 | 1971 |
|---|---|---|---|---|---|---|
| [FISH AND SHELLFISH] (live weight base) | | | | | | |
| Domestic production | | | | | | |
| For domestic consumption | 5,899 | 6,588 | 7,353 | 7,385 | 7,886 | 8,374 |
| Fresh and frozen ..... | 1,756 | 1,922 | 2,083 | 1,920 | 2,022 | 2,047 |
| Dried, salted and smoked .. | 1,264 | 1,298 | 1,417 | 1,489 | 1,400 | 1,522 |
| Kneaded ..... | 1,604 | 1,733 | 1,877 | 1,935 | 2,320 | 2,338 |
| Fish sausage ..... | 252 | 235 | 231 | 241 | 242 | 247 |
| Canned ..... | 118 | 164 | 96 | 94 | 78 | 195 |
| Feeds ..... | 906 | 1,236 | 1,649 | 1,706 | 1,824 | 2,025 |
| For exports ..... | 767 | 729 | 811 | 783 | 908 | 949 |
| Fresh and frozen ..... | 266 | 208 | 208 | 162 | 190 | 200 |
| Canned ..... | 401 | 443 | 519 | 504 | 588 | 555 |
| Others for food use ..... | 25 | 22 | 20 | 21 | 13 | 14 |
| Feeds ..... | 75 | 56 | 64 | 96 | 117 | 180 |
| **Total** ..... | **6,666** | **7,317** | **8,164** | **8,168** | **8,794** | **9,323** |
| Imports | | | | | | |
| For food use ..... | 170 | 191 | 212 | 236 | 294 | 448 |
| For feeds ..... | 455 | 413 | 715 | 514 | 451 | 103 |
| **Total** ..... | **625** | **604** | **927** | **750** | **745** | **551** |
| Domestic supply | | | | | | |
| For food use ..... | 5,163 | 5,543 | 5,916 | 5,915 | 6,356 | 6,797 |
| Domestic production ..... | 4,993 | 5,352 | 5,704 | 5,679 | 6,062 | 6,349 |
| Imports ..... | 170 | 191 | 212 | 236 | 294 | 448 |
| For feeds ..... | 1,361 | 1,649 | 2,364 | 2,220 | 2,275 | 2,128 |
| Domestic production ..... | 906 | 1,236 | 1,649 | 1,706 | 1,824 | 2,025 |
| Imports ..... | 455 | 413 | 715 | 514 | 451 | 103 |
| **Total** ..... | **6,524** | **7,192** | **8,280** | **8,135** | **8,631** | **8,925** |
| [WHALE] | | | | | | |
| Domestic production | | | | | | |
| For domestic consumption ..... | 176 | 150 | 136 | 136 | 110 | 114 |
| For exports ..... | 9 | 21 | 20 | 20 | 15 | 11 |
| **Total** ..... | **185** | **171** | **156** | **156** | **125** | **125** |
| Imports | | | | | | |
| **Total** ..... | **21** | **29** | **11** | **13** | **15** | **18** |
| Domestic supply | | | | | | |
| For food use ..... | 176 | 150 | 136 | 136 | 110 | 114 |
| For feeds ..... | 21 | 29 | 11 | 13 | 15 | 18 |
| **Total** ..... | **197** | **179** | **147** | **149** | **125** | **132** |

(Continued)

Unit ; Thousand metric tons.

| Description | 1966 | 1967 | 1968 | 1969 | 1970 | 1971 |
|---|---|---|---|---|---|---|
| 〔SEAWEED〕 (dried weight base ) | | | | | | |
| Domestic production | | | | | | |
| For domestic consumption ..... | 92 | 105 | 97 | 86 | 99 | 112 |
| For exports ..... | 2 | 2 | 3 | 3 | 5 | 5 |
| **Total ..... ** | **94** | **107** | **101** | **89** | **104** | **117** |
| Imports | | | | | | |
| **Total ..... ** | **21** | **18** | **14** | **15** | **15** | **18** |
| Domestic supply | | | | | | |
| For food use ..... | 81 | 105 | 90 | 77 | 96 | 110 |
| For feeds ..... | 32 | 16 | 22 | 24 | 18 | 20 |
| **Total ..... ** | **113** | **121** | **112** | **101** | **114** | **130** |
| Per capita food supply (Unit; Kgs) | | | | | | |
| Fish and shellfishes ..... | 52.1 | 55.3 | 58.4 | 57.7 | 61.3 | 64.7 |
| Whales ..... | 1.8 | 1.5 | 1.3 | 1.3 | 1.1 | 1.1 |
| Seaweeds ..... | 0.8 | 1.0 | 0.9 | 0.8 | 0.9 | 1.0 |

# 17. AVERAGE CONSUMPTION IN QUANTITY OF FISHERY PRODUCTS PER HOUSEHOLD, 1966~1971

## A). Workers household (Cities With population of 50,000 or over)

Unit ; grams

| Item | 1966 | 1967 | 1968 | 1969 | 1970 | 1971 |
|---|---|---|---|---|---|---|
| Net income | - | - | - | - | - | - |
| Food expense | --- | --- | --- | --- | --- | --- |
| Fishery products | --- | --- | --- | --- | --- | --- |
| Fresh and frozen | --- | --- | --- | --- | --- | --- |
| Cod, Alaska pollack | 1,231 | 1,211 | 1,248 | 1,208 | 1,208 | 1,131 |
| Flounders, halibuts | 3,220 | 3,569 | 3,427 | 3,827 | 2,817 | 2,932 |
| Jack mackerel | 6,879 | 5,591 | 5,196 | 4,957 | 4,177 | 4,246 |
| Mackerel | 5,577 | 5,613 | 5,243 | 4,879 | 4,431 | 4,029 |
| Salmons, trouts | 2,087 | 1,999 | 1,452 | 1,257 | 1,625 | 1,765 |
| Sardines, anchovies | 1,547 | 1,344 | 1,436 | 1,425 | 1,268 | 1,806 |
| Saury | 2,767 | 1,730 | 1,336 | 604 | 1,044 | 937 |
| Sea breams | 1,751 | 1,841 | 1,657 | 1,393 | 1,425 | 1,249 |
| Shellfishes | 5,581 | 5,008 | 5,092 | 5,080 | 4,935 | 5,015 |
| Skipjack | 1,096 | 943 | 808 | 771 | 775 | 612 |
| Squids, cuttlefishes | 8,190 | 8,343 | 8,245 | 7,581 | 7,646 | 6,320 |
| Tunas, marlins | 2,720 | 3,038 | 3,265 | 3,204 | 3,199 | 3,178 |
| Yellowtail | 1,495 | 1,659 | 1,829 | 1,835 | 1,978 | 1,988 |
| Others | --- | --- | --- | --- | --- | --- |
| Processed fishery products | --- | --- | --- | --- | --- | --- |
| Boiled and dried | 1,074 | 977 | 946 | 931 | 897 | 793 |
| Canned (case) | 11.43 | 11.64 | 12.14 | 11.08 | 8.89 | 9.59 |
| Cured | 821 | 778 | 769 | 742 | 716 | 640 |
| Dried laver | --- | --- | --- | --- | --- | --- |
| Dried "Kombu" and "Wakame" kelp | 1,615 | 1,637 | 1,671 | 1,586 | 1,724 | 1,735 |
| Dried squids | 279 | 280 | 293 | 303 | 274 | 219 |
| Fish sausage | 3,682 | 3,131 | 2,949 | 2,892 | 2,469 | 2,205 |
| Kneaded | --- | --- | --- | --- | --- | --- |
| Salted salmons and trouts | 1,783 | 1,814 | 2,312 | 2,447 | 3,019 | 3,269 |
| Others | --- | --- | --- | --- | --- | --- |
| Whale meat | 2,455 | 2,199 | 2,051 | 1,794 | 1,557 | 1,385 |
| Beef | 7,736 | 6,844 | 6,438 | 7,012 | 7,551 | 7,996 |
| Pork | 12,538 | 14,435 | 13,938 | 13,309 | 14,754 | 15,765 |
| Chicken | 6,072 | 6,928 | 7,324 | 8,265 | 9,040 | 9,065 |
| Ham, sausage | 6,285 | 6,520 | 6,863 | 7,154 | 7,552 | 7,941 |
| Milk, eggs | --- | --- | --- | --- | --- | --- |
| Seasonings | 730 | 782 | 853 | 840 | 873 | 813 |
| Expence for dining out | --- | --- | --- | --- | --- | --- |
| Number of family member | 4.17 | 4.13 | 4.05 | 3.97 | 3.95 | 3.93 |

## B). Farm Household

Unit ; grams

| Item | 1966 | 1967 | 1968 | 1969 | 1970 | 1971 |
|---|---|---|---|---|---|---|
| Net income | - | - | - | - | - | - |
| Food expense | --- | --- | --- | --- | --- | --- |
| Fishery products | --- | --- | --- | --- | --- | --- |
| Fresh and frozen | --- | --- | --- | --- | --- | --- |
| Cod, Alaska pollack | 2,260 | 2,740 | 2,660 | 2,320 | 3,330 | 1,900 |
| Flounders, halibuts | 3,180 | 3,450 | 3,510 | 3,180 | 3,650 | 2,875 |
| Jack mackerel | 10,410 | 7,590 | 7,330 | 7,410 | 6,460 | 5,340 |
| Mackerel | 14,290 | 15,820 | 14,800 | 15,920 | 14,700 | 10,710 |
| Salmons, trouts | --- | --- | --- | --- | --- | --- |
| Sardines, anchovies | 2,390 | 2,160 | 2,480 | 2,580 | 2,510 | 3,260 |
| Saury | 5,960 | 3,910 | 2,690 | 1,450 | 2,090 | 1,770 |
| Sea breams | 900 | 1,040 | 990 | 1,150 | 1,270 | 1,020 |
| Shellfishes | 2,170 | 3,270 | 3,830 | 3,990 | 5,150 | 5,680 |
| Skipjack | 3,350 | 3,410 | 3,210 | 3,560 | 3,280 | 2,120 |
| Squids, cuttlefishes | 8,580 | 10,760 | 10,920 | 10,110 | 8,910 | 6,920 |
| Tunas, marlins | 2,300 | 2,650 | 2,680 | 3,300 | 3,860 | 2,850 |
| Yellow tail | 700 | 930 | 1,000 | 1,260 | 1,880 | 1,570 |
| Others | --- | --- | --- | --- | --- | --- |
| Processed fishery products | --- | --- | --- | --- | --- | --- |
| Boiled and dried | 3,500 | 3,420 | 3,240 | 3,100 | 3,450 | 3,000 |
| Canned | 5,240 | 5,570 | 5,540 | 5,010 | 4,890 | 4,500 |
| Cured | 240 | 300 | 260 | 260 | 310 | 320 |
| Dried laver | --- | --- | --- | --- | --- | --- |
| Dried "Kombu" and "Wakame" kelp | 1,490 | 1,780 | 2,350 | 2,630 | 2,370 | --- |
| Dried squids | 450 | 530 | 520 | 540 | 500 | 430 |
| Fish sausage | 5,900 | 6,010 | 5,970 | 5,740 | 5,390 | 4,650 |
| Kneaded | 8,960 | 9,610 | 10,290 | 12,530 | 13,220 | 13,110 |
| Salted salmons and trouts | 2,270 | 2,670 | 2,590 | 2,700 | 3,590 | 3,800 |
| Others | --- | --- | --- | --- | --- | --- |
| Whale meat | 3,010 | 2,870 | 2,750 | 2,650 | 2,170 | 1,750 |
| Beef | 2,070 | 2,060 | 2,260 | 2,780 | 3,160 | 3,590 |
| Pork | 5,520 | 6,950 | 6,550 | 7,490 | 9,660 | 9,960 |
| Chicken | 4,120 | 4,930 | 5,740 | 7,080 | 7,960 | 8,860 |
| Ham, sausage | 2,010 | 2,360 | 2,560 | 3,020 | 3,500 | 3,960 |
| Milk, eggs | --- | --- | --- | --- | --- | --- |
| Seasonings | 630 | 780 | 970 | 1,030 | 1,040 | 1,110 |
| Expense for dining out | --- | --- | --- | --- | --- | --- |
| Number of family member | 5.06 | 4.97 | 5.01 | 4.92 | 4.84 | 4.74 |

# 18. AVERAGE CONSUMPTION IN VALUE OF FISHERY PRODUCTS PER HOUSEHOLD, 1966～1971

## A). Workers household (Cities With population of 50,000 or over)

Unit ; yens

| Item | 1966 | 1967 | 1968 | 1969 | 1970 | 1971 |
|---|---|---|---|---|---|---|
| Net income | 904,464 | 991,800 | 1,081,584 | 1,206,396 | 1,384,548 | 1,526,820 |
| Food expense | 262,807 | 282,835 | 300,451 | 323,899 | 361,499 | 387,646 |
| Fishery products | 36,247 | 39,521 | 42,949 | 45,863 | 53,207 | 58,777 |
| Fresh and frozen | 18,425 | 20,062 | 21,270 | 22,940 | 27,485 | 30,916 |
| Cod, Alaska pollack | 265 | 275 | 306 | 328 | 375 | 381 |
| Flounders, halibuts | 895 | 929 | 969 | 1,096 | 1,281 | 1,464 |
| Jack mackerel | 1,026 | 1,111 | 1,186 | 1,309 | 1,439 | 1,617 |
| Mackerel | 860 | 928 | 918 | 870 | 915 | 911 |
| Salmons, trouts | 1,141 | 1,182 | 853 | 779 | 1,047 | 1,153 |
| Sardines, anchovies | 244 | 244 | 301 | 345 | 379 | 582 |
| Saury | 479 | 383 | 391 | 266 | 555 | 472 |
| Sea beams | 856 | 904 | 933 | 933 | 1,079 | 1,105 |
| Shellfishes | 1,012 | 1,003 | 1,192 | 1,355 | 1,528 | 1,749 |
| Skipjack | 385 | 394 | 392 | 438 | 525 | 526 |
| Squids, cuttlefishes | 1,619 | 1,811 | 1,937 | 2,028 | 2,530 | 2,982 |
| Tunas, marlins | 1,786 | 2,161 | 2,543 | 2,750 | 3,158 | 3,633 |
| Yellowtail | 893 | 1,031 | 1,216 | 1,395 | 1,754 | 2,008 |
| Others | 6,964 | 7,706 | 8,133 | 9,048 | 10,920 | 12,333 |
| Processed fishery products | 17,120 | 18,759 | 20,989 | 22,211 | 24,936 | 27,068 |
| Boiled and dried | 399 | 405 | 417 | 417 | 481 | 503 |
| Canned | 926 | 1,027 | 1,014 | 1,084 | 1,021 | 1,178 |
| Cured | 531 | 531 | 583 | 611 | 681 | 726 |
| Dried laner | 2,262 | 2,436 | 2,636 | 2,784 | 3,325 | 3,315 |
| Dried "Kombu" and "Wakame" kelp | 880 | 961 | 1,012 | 1,051 | 1,300 | 1,455 |
| Dried squids | 165 | 187 | 195 | 220 | 260 | 264 |
| Fish sausage | 981 | 836 | 788 | 785 | 679 | 620 |
| Kneaded | 2,138 | 2,300 | 2,574 | 2,765 | 3,033 | 3,307 |
| Salted salmons and trouts | 1,033 | 1,202 | 1,707 | 2,025 | 2,525 | 2,819 |
| Others | 7,805 | 8,874 | 10,063 | 10,469 | 11,631 | 12,881 |
| Whale meat | 702 | 700 | 690 | 712 | 786 | 793 |
| Beef | 7,009 | 7,053 | 7,289 | 8,274 | 9,275 | 10,505 |
| Pork | 8,003 | 9,423 | 10,355 | 11,196 | 12,203 | 13,453 |
| Chicken | 3,754 | 4,255 | 4,664 | 5,341 | 5,909 | 6,215 |
| Ham, sausage | 3,834 | 4,075 | 4,416 | 4,801 | 5,531 | 6,100 |
| Milk, eggs | 21,872 | 23,157 | 24,242 | 25,589 | 26,413 | 26,548 |
| Seasonings | 1,175 | 1,255 | 1,350 | 1,303 | 1,323 | 1,224 |
| Expence for dining out | 21,565 | 25,054 | 28,895 | 34,084 | 39,115 | 42,978 |
| Number of family member | 4.17 | 4.13 | 4.05 | 3.97 | 3.95 | 3.93 |

## B) . Farm household

Unit ; yens

| Item | 1966 | 1967 | 1968 | 1969 | 1970 | 1971 |
|---|---|---|---|---|---|---|
| Net income | 861,400 | 1,029,700 | 1,125,700 | 1,250,000 | 1,393,200 | 1,537,700 |
| Food expense | 252,700 | 282,600 | 302,000 | 326,600 | 353,500 | 377,700 |
| Fishery products | 29,880 | 34,210 | 37,996 | 41,727 | 47,211 | 58,815 |
| Fresh and frozen | 14,497 | 16,840 | 19,324 | 20,779 | 23,289 | 33,101 |
| Cod, Alaska pollack | 345 | 428 | 446 | 429 | 599 | 477 |
| Flounders, halibuts | 651 | 721 | 794 | 837 | 1,154 | 1,005 |
| Jack mackerel | 1,306 | 1,123 | 1,274 | 1,347 | 1,478 | 1,382 |
| Mackerel | 1,870 | 2,152 | 2,163 | 2,204 | 2,395 | 1,960 |
| Salmons, trouts | --- | --- | --- | --- | --- | --- |
| Sardines, anchovies | 318 | 313 | 417 | 469 | 557 | 687 |
| Saury | 792 | 580 | 489 | 347 | 576 | 477 |
| Sea beams | 361 | 462 | 466 | 592 | 742 | 854 |
| Shellfishes | 257 | 324 | 375 | 487 | 629 | 891 |
| Skipjack | 712 | 799 | 821 | 1,041 | 1,082 | 879 |
| Squids, cuttlefishes | 1,359 | 1,726 | 1,879 | 2,061 | 2,397 | 2,186 |
| Tunas, marlins | 1,297 | 1,605 | 1,865 | 2,469 | 2,878 | 2,839 |
| Yellowtail | 362 | 479 | 554 | 776 | 1,289 | 1,231 |
| Others | 4,867 | 6,128 | 7,781 | 7,720 | 7,513 | 10,223 |
| Processed fishery products | 14,670 | 16,627 | 17,919 | 20,206 | 23,127 | 24,868 |
| Boiled and dried | 1,060 | 1,088 | 1,102 | 1,223 | 1,458 | 1,508 |
| Canned | 1,073 | 1,145 | 1,210 | 1,102 | 1,080 | 1,049 |
| Cured | 214 | 239 | 252 | 323 | 345 | 407 |
| Dried lanver | 1,253 | 1,424 | 1,556 | 1,953 | 2,322 | 2,640 |
| Dried "Kombu" and "Wakame" kelp | 543 | 606 | 594 | 683 | 1,507 | 1,673 |
| Dried squids | 236 | 286 | 312 | 344 | 379 | 525 |
| Fish sausage | 1,476 | 1,504 | 1,501 | 1,526 | 1,509 | 1,307 |
| Kneaded | 1,793 | 2,017 | 2,293 | 2,733 | 3,224 | 3,507 |
| Salted salmons and trouts | 1,068 | 1,340 | 1,455 | 1,637 | 2,239 | 2,662 |
| Others | 5,954 | 6,978 | 7,896 | 8,682 | 9,064 | 9,590 |
| Whale meat | 713 | 743 | 753 | 742 | 795 | 846 |
| Beef | 1,785 | 1,952 | 2,297 | 2,842 | 3,467 | 4,133 |
| Pork | 3,046 | 4,021 | 4,362 | 5,142 | 6,260 | 7,032 |
| Chicken | 1,611 | 1,959 | 2,452 | 3,137 | 3,675 | 4,163 |
| Ham, sausage | 990 | 1,242 | 1,504 | 1,784 | 2,221 | 2,623 |
| Milk, eggs | 15,341 | 17,773 | 18,890 | 22,960 | 24,038 | 26,457 |
| Seasonings | 835 | 1,033 | 1,274 | 1,308 | 1,430 | 1,483 |
| Expence for dining out | 11,300 | 12,897 | 14,773 | 16,873 | 19,515 | 20,723 |
| Number of family member | 5.06 | 4.97 | 5.01 | 4.92 | 4.84 | 4.74 |

# Reference Table 1. CATCH BY COUNTRY OF THE WORLD, 1966~1971

Unit : thousand tons

| Country Names | 1966 | 1967 | 1968 | 1969 | 1970 | 1971 |
|---|---|---|---|---|---|---|
| Total | 57,300 | 60,400 | 63,900 | 62,600 | 69,600 | 69,400 |
| Peru | 8,845 | 10,199 | 10,556 | 9,244 | 12,613 | 10,611 |
| Japan | 7,103 | 7,851 | 8,670 | 8,613 | 9,315 | 9,909 |
| U.S.S.R. | 5,350 | 5,780 | 6,080 | 6,500 | 7,250 | 7,340 |
| P.R. China | 5,631 | 5,187 | 5,401 | 5,535 | 6,255 | 6,880 |
| Norway | 2,870 | 3,266 | 2,856 | 2,491 | 2,980 | 3,075 |
| U.S.A. | 2,515 | 2,406 | 2,452 | 2,464 | 2,755 | 2,767 |
| India | 1,367 | 1,400 | 1,526 | 1,605 | 1,746 | 1,845 |
| Thailand | 733 | 847 | 1,089 | 1,270 | 1,448 | 1,572 |
| Spain | 1,363 | 1,442 | 1,515 | 1,496 | 1,499 | 1,499 |
| Denmark | 851 | 1,070 | 1,467 | 1,275 | 1,227 | 1,401 |
| Canada | 1,346 | 1,296 | 1,499 | 1,405 | 1,389 | 1,289 |
| Indonesia | 1,202 | 1,180 | 1,159 | 1,214 | 1,249 | 1,250 |
| Chile | 1,384 | 1,053 | 1,393 | 1,095 | 1,179 | 1,179 |
| United Kingdom | 1,068 | 1,026 | 1,040 | 1,083 | 1,099 | 1,107 |
| South Africa | 1,201 | 1,580 | 2,041 | 1,846 | 1,555 | 1,084 |
| Republic of Korea | 701 | 749 | 841 | 879 | 934 | 1,074 |
| Philippines | 726 | 769 | 945 | 978 | 990 | 1,050 |
| France | 805 | 820 | 803 | 771 | 764 | 742 |
| Iceland | 1,240 | 897 | 601 | 690 | 734 | 685 |
| Taiwan | 425 | 458 | 531 | 561 | 613 | 650 |
| Others | 10,574 | 11,124 | 11,435 | 11,585 | 12,006 | 12,391 |

# Reference Table 2. CATCH BY COUNTRY OF THE WORLD, 1966~1971

Unit : thousand tons

| Species | 1966 | 1967 | 1968 | 1969 | 1970 | 1971 |
|---|---|---|---|---|---|---|
| Grand Total | 57,300 | 60,400 | 63,900 | 62,600 | 69,600 | 69,400 |
| Fishes | 52,190 | 54,950 | 57,980 | 56,980 | 63,620 | 63,450 |
| Albacore, tunas, marlins | 869 | 881 | 995 | 1,016 | 982 | 925 |
| Skipjack, frigate mackerel | 505 | 544 | 443 | 483 | 483 | 539 |
| Sharks, rays | 334 | 350 | 377 | 392 | 364 | 355 |
| Salmons, trouts | 1,170 | 1,080 | 1,180 | 1,400 | 2,090 | 2,160 |
| Herring | 4,610 | 4,294 | 3,733 | 2,890 | 2,806 | 2,555 |
| Sardine, round herring | 3,354 | 3,473 | 4,046 | 4,060 | 4,065 | 4,029 |
| Anchovy | 10,776 | 11,813 | 12,551 | 11,030 | 14,439 | 12,376 |
| Jackmackerel, scad | 1,314 | 1,277 | 1,197 | 1,308 | 1,519 | 1,946 |
| Mackerels | 1,614 | 2,288 | 2,636 | 2,746 | 2,874 | 2,957 |
| Saury | 327 | 296 | 222 | 130 | 165 | 267 |
| Yellow tails | 59 | 75 | 85 | 87 | 102 | 112 |
| Flounders, halibut | 1,090 | 1,200 | 1,140 | 1,260 | 1,300 | 1,360 |
| Cod | 6,237 | 6,067 | 6,937 | 6,821 | 6,758 | 6,419 |
| Alaska pollack | 1,683 | 2,163 | 2,563 | 2,999 | 3,662 | 4,311 |
| Atka mackerel | 111 | 86 | 112 | 133 | 174 | 184 |
| Rock fishes | 788 | 657 | 571 | 544 | 518 | 610 |
| Croakers | 358 | 353 | 445 | 348 | 341 | 315 |
| Sea breams | 303 | 370 | 338 | 261 | 262 | 258 |
| Sand lance | 254 | 317 | 356 | 228 | 426 | 668 |
| Milk fishes | 640 | 630 | 640 | 630 | 790 | 760 |
| Carps | 260 | 290 | 280 | 290 | 320 | 320 |
| Others | 15,534 | 16,446 | 17,133 | 17,924 | 19,180 | 20,024 |
| Clams, shellfishes | 1,930 | 1,940 | 2,030 | 1,970 | 1,960 | 1,950 |
| Other aquatic animals | 2,480 | 2,680 | 3,040 | 2,870 | 3,140 | 3,070 |
| Squid, cuttlefishes, Octopuses | 834 | 972 | 1,211 | 974 | 940 | 894 |
| Prawns, shrimps | 892 | 954 | 1,027 | 1,074 | 1,154 | 1,127 |
| Crabs | 355 | 354 | 379 | 351 | 393 | 366 |
| Echinodermata, mammals, etc. | 399 | 400 | 423 | 471 | 653 | 683 |
| Aquatic plants | 690 | 830 | 850 | 770 | 870 | 920 |

# Appendix 1. CLASSIFICATION OF SEA FISHERY TYPE

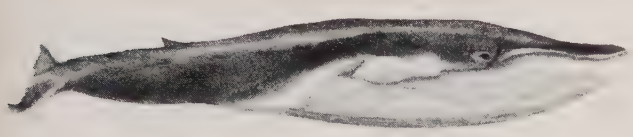
| Classification | Classification shown in this bulletin | Classification published by Ministry of Agriculture and Forestry. |
|---|---|---|
| Gill nets | King crab gill net | mother ship type king crab gill net |
| | Salmon drift gill net | mother ship type salmon drift gill net (Distant waters) |
| | Gill nets | Salmon drift gill net of one boat operation, (Coastal) |
| | | Sardine drift gill net. Herring gill net. and other. |
| Purse seines | Purse seines | Purse seine of one-boat and two-boats operation. |
| | | Semi-surrounding net. |
| | | Other surrounding nets. |
| Lift nets | Saury stick-held dip net | Saury stick-held dip net |
| | Other lift nets | Atka mackerel square lift net |
| | | Other lift nets |
| Trawls | Large trawls | mother ship type trawl (Bering sea) |
| | | mother ship type trawl (Okhotsk sea) |
| | | Otter trawl on Distant waters |
| | | Otter trawl in Bering sea |
| | | Otter trawl, west of 130°E in East China Sea |
| | | Large trawl, west of 130°E in East China Sea |
| | Medium trawls | Medium trawl of one-boat and two boats operation. |
| | Small trawls | Small trawls |
| Set nets | Set nets | Large set nets |
| | | Small set nets |
| Anglings | Skipjack pole-and-line | Skipjack pole-and-line (Distant waters and Coastal) |
| | Squid angling | Squid angling |
| | Other anglings | Mackerel pole-and-line, other kind of mackerel anglings and other anglings. |
| Long lines | Tuna long line | Mother ship type tuna long line |
| | | Tuna long line operated on Atlantic Ocean. |
| | | Tuna long line based at foreign ports. |
| | | Tuna long line based at domestic ports. |
| | Other long lines | Alaska pollack long line, Salmon long line and other. |
| Collectings | Shellfish collectings | Shellfish collectings. |
| | Seaweed collectings | Seaweed collectings. |
| Other fisheries | Others | Beach seine, "Patchi" and other haul seine, Dart, other fisheries. |

# IIIUSTRATION OF IMPORTANT FISHES IN JAPAN.

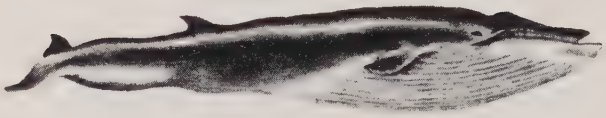
## I Sea Water Fisheries

### A Marine Mammals

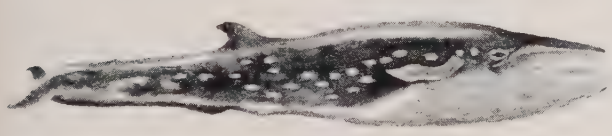
Blue whale (English name)
Shironagasukujira (Japanese name)
Balaenoptera musculus (Scientific name)



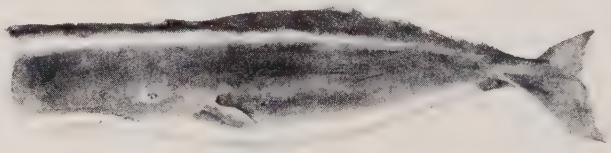
Fin whale
Nagasukujira
Balaenoptera physalus



Sei whale
Iwashikujira
Balaenoptera borealis



Sperm whale
Makkokujira
Physeter catodon



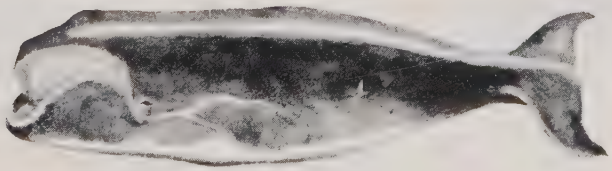
Mink whale
Koiwashikujira
Balaenoptera acutoro strata

Pilot whale
Gondokujira
Globicephala melacna

Killer Whale
Shachikujira
Orcinus orca

(Dolphin)
Mairuka
Delphinus delphis delphis

Right whale
Semikujira
Balaena mysticetus

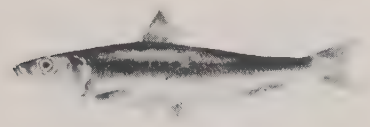


# B Fishes

Herring
Nishin
Clupea pallasi

Scad
Muroaji
Decapterus Muroadsi

Sardine
Maiwashi
Sardinops melanosticta

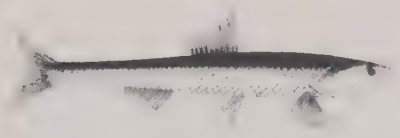


Mackerel
Masaba
Scomber japonicus

Round herring
Urumeiwashi
Etrumeus micropus

Saury (Saury-pike)
Sanma
Cololabis saira

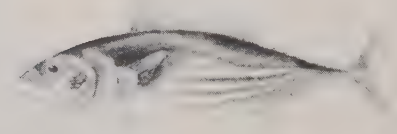
Anchovy
Katakuchiiwashi
Engraulis japonica



Yellowtail
Buri
Seriola quinqueradiata

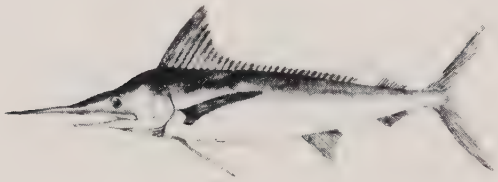
Jack mackerel
Maaji
Trachurus japonicus

Skipjack
Katsuo
Katsuwonus pelamis

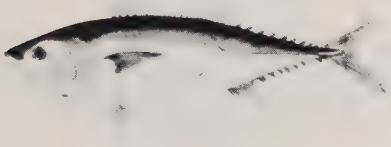


Frigate mackerel
Hirasoda
Auxis thazard

Striped marlin
Makajiki
Tetrapturus audax



Bluefin tuna
Maguro
Thunnus thynnus orientalis



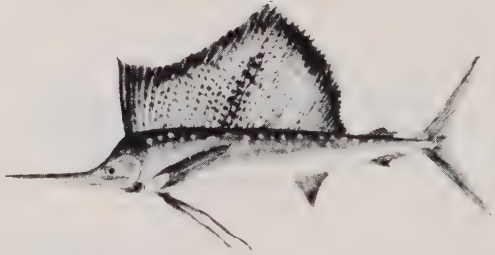
Broadbill swordfish
Mekajiki
Xiphias gladius

Albacore
Binnaga
Thunnus alalunga

Blue marlin
Kurokajiki
Makaira nigricans

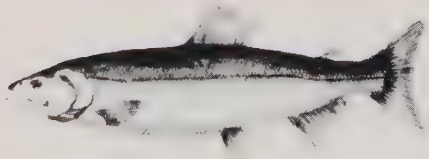
Bigeye tuna
Mebachi
Thunnus obesus

Sailfish
Bashokajiki
Istiophorus orientalis



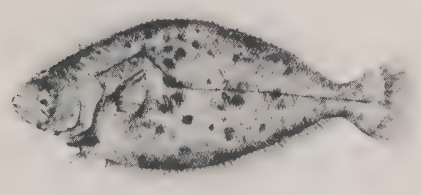
Yellowfin tuna
Kiwada
Thunnus albacares

Chum salmon
Sake (Shirozake)
Oncorhynchus keta

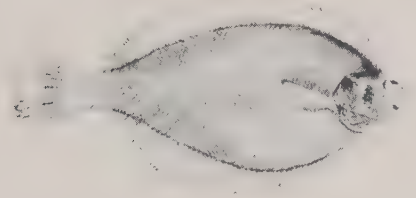


Cherry salmon
Sakuramasu
Oncorhynchus masou var. masou

Bastard halibut
Hirame
Paralichthys olivaceus

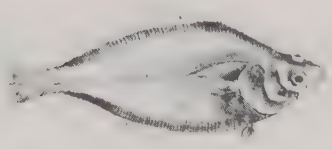


Dab (Flat fish)
Magarei
Limanda herzensteini

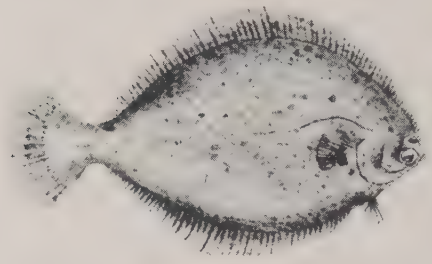


Arrow toothed halibut
Aburagarei
Atheresthes evermanni

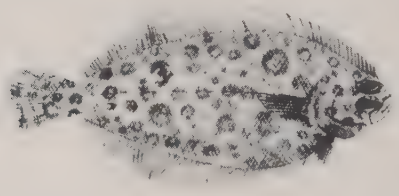
(Flat fish)
Sohachigarei
Cleisthenes pinetorum herzensteini



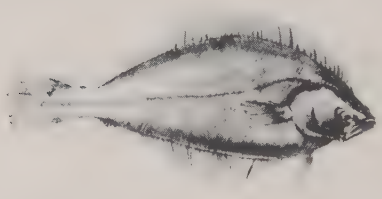
Frog flounder
Meitagarei
Pleuronichthys cornutus



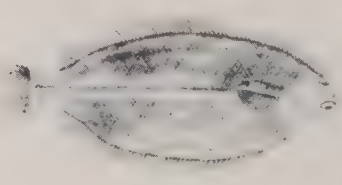
Roundnose flounder
Mushigarei
Eopsetta grigorjewi



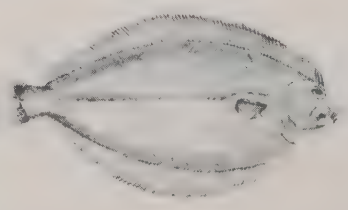
Flathead flounder
Akagarei
Hippoglossoides dubius



Slime flounder
Babagarei
Microstomus achne

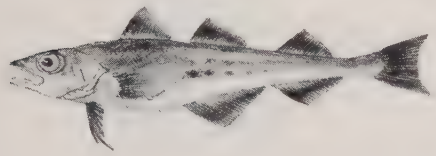


Fluke
Hireguro
Glyptocephalus stelleri

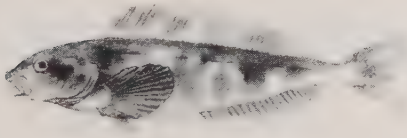


Cod
Madara
Gadus macrocephalus

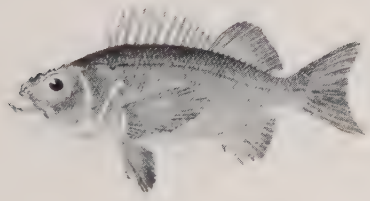
Alaska pollack
Suketodara
Theragra chalcogramma



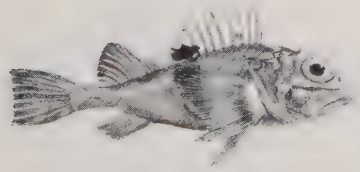
Atka mackerel
Hokke
Pleurogrammus azonus



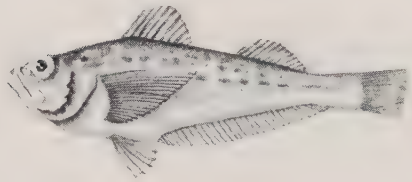
(Rock fish)
Sangomenuke
Sebastes flammeus



(Rock fish)
Kichiji
Sebastolobus macrochir

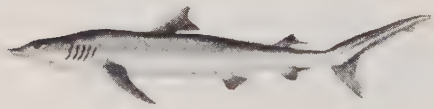


Sand fish
Hatahata
Arctoscopus japonicus



Deep sea smelt
Nigisu
Algentina semifasciata

Great blue shark
Yoshikirizame
Glyphis glaucus



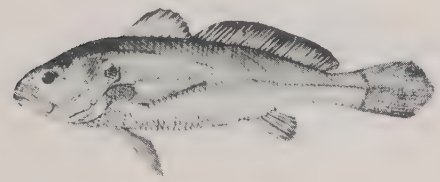
Salmon shark
Nezumizame
Lamna ditropis

Dog fish
Aburatsunozame
Squalus acanthias

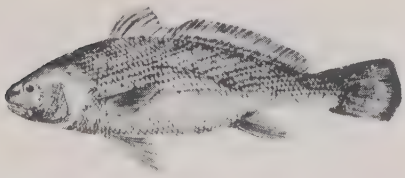
White croaker
Shiroguchi
Argyrosomus argentatus

Yellow croaker
Kiguchi
Pseudosciaena manchurica

Black croaker
Kuroguchi
Argyrosomus nibe

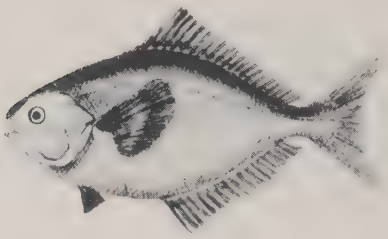


(Croaker)
Honnibe
Miichthys imbricatus

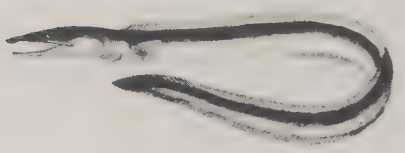


Lizard fish
Maeso
Saurida argyrophanes

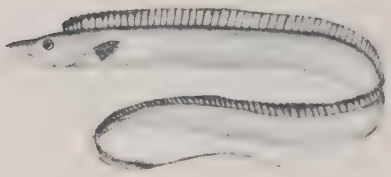
Butter fish
Ibodai
Psenopsis anomala



Sharp toothed eel
Hamo
Muraenesox cinereus

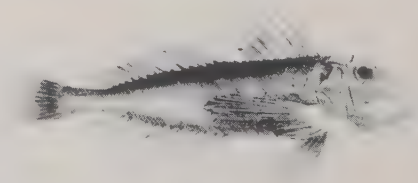


Hairtail
Tachiuo
Trichiurus lepturus

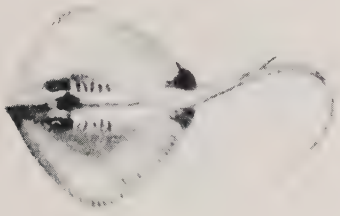


(Gurnard)
Hobo
Chelidonichthys kumu

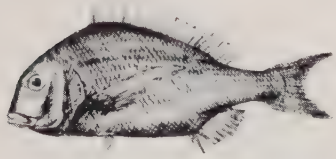
(Gurnard)
Kanagashira
Lepidotrigla microptera



Stingray
Akaei
Dasyatis akajei

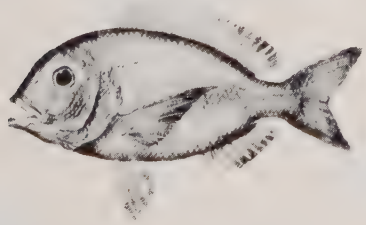


Red sea bream
Madai
Chrysophrys major



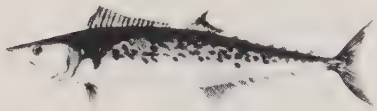
Crimson sea bream
Chidai
Evynnis japonica

Yellow sea bream
Kidai
Taius tumifrons

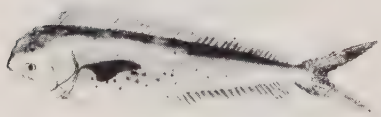


Black sea bream
Kurodai
Mylio macrocephalus

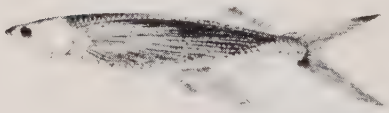
Spanish mackerel
Sawara
Scomberomorus niphonius



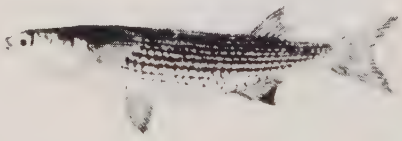
Dolphin fish
Shiira
Coryphaena hippurus



Flyingfish
Tobiuo
Prognichthys agoo



Mullet
Bora
Mugil cephalus



Common sea bass
Suzuki
Lateolabrax japonicus

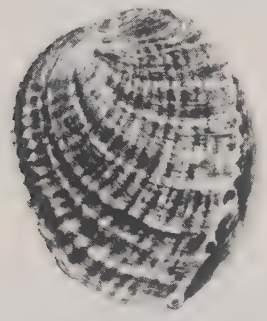
Sand lance
Ikanago
Ammodytes personatus

Striped pigfish
Isaki
Parapristipoma trilineatum

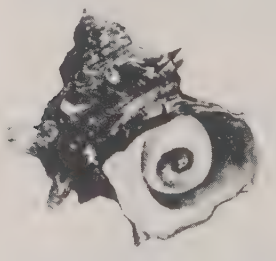
(Globe fish)
Torafugu
Fugu rubripes

## C Shellfishes

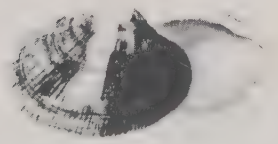
Abalone
Awabi
Haliotis gigantea



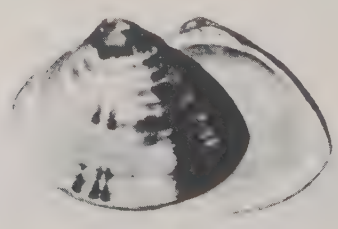
Top shell
Sazae
Turbo cornutus



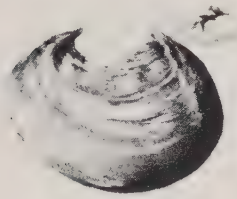
Short necked clam
Asari
Venerupis Philippinarum



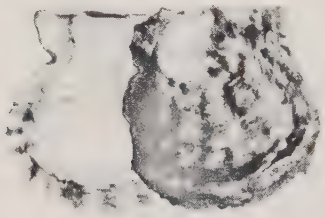
Hard clam
Hamaguri
Meretrix lusoria



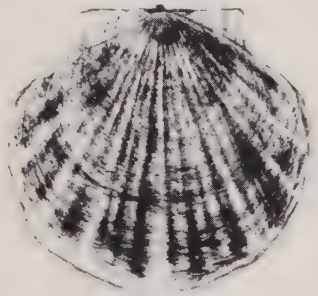
Hen clam
Hokkigai
Mactra sachalinensis



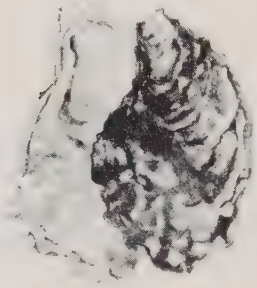
(Pearl Oyster)
Akoyagai
Pinctada martensii



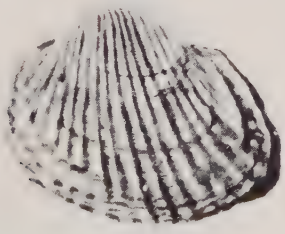
Common scallop
Hotategai
Pecton yessoensis



(Oyster)
Magaki
Crassostrea gigas



"Mogai" clam
Sarubo
Anadara subcrenata

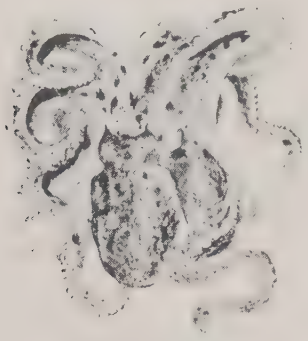


## D Other Marine Animals

Common squid
Surumeika
Ommastrephes sloani pacificus

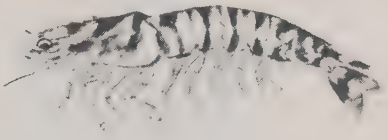
Cuttlefish
Maika
Sepiella maindronide

Octopus (Devilfish)
Madako
Octopus vulgaris



Spiny lobster
Iseebi
Panulirus japonicus

(Prawn)
Kurumaebi
Penaeus japonicus

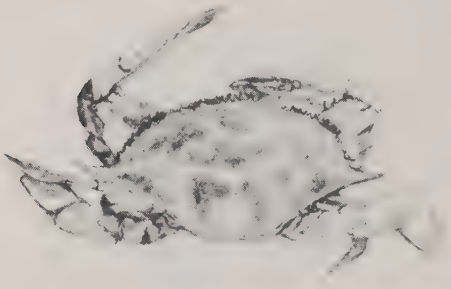


(Shrimp)
Akaebi
Metapenaeopsis barbatus

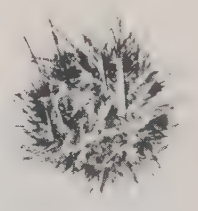
King crab
Tarabagani
Paralithodes camtschaticus

Queen crab, Tanner crab
Zuwaigani
Chionoecetes opilio

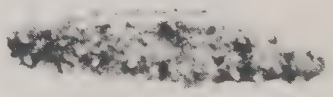
Blue crab
Gazami
Neptunus trituberculatus



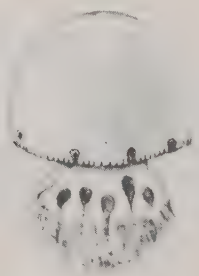
(Sea urchin)
Murasakiuni
Heliocidaris crassispind



(Sea cucumber)
Manamako
Stichopus japonicus



(Jelly fish)
Bizenkurage
Rhopilema esculenta



## E Seaweeds

(Kelp)
Makonbu
Laminaria japonica

(Seaweed)
Honfunori
Gloiopeltis tenax

(Seaweed)
Wakame
Undaria pinnatifida

(Seaweed)
Arame (Kajime)
Eisenia bicyclis

Agar-agar
Tengusa (Makusa)
Gelidium Amansii

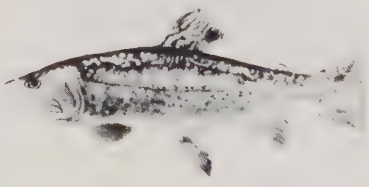
Laver (Seaweed"Nori")
Asakusanori
Porphyra tenera

# II Inland Water Fisheries

## A Fishes

Rainbow trout
Nijimasu
Salmo gairdnerii irideus

Brook trout
Kawamasu
Salvelinus fontinalis fontinalis



Bull trout (mountain trout)
Iwana
Salvelinus pluvius

Pond-smelt
Wakasagi
Hypomesus olidus

Sweet fish
Ayu
Plecoglossus altivelis

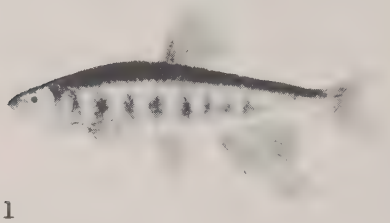
White bait
Shirauo
Salangichthys microdon

Common carp
Koi
Cyprinus carpio

Crucian carp
Funa
Carassius auratus

(Minnow)
Ugui
Tribolodon hakonensis hakonensis

(Minnow)
Oikawa
Zacco platypus



Eel
Unagi
Anguilla japonica

Loach
Dojo
Misgurnus anguillicaudatus

Goby
Mahaze
Achanthogobius flavimanus

Sculpin
Kajika
Cottus pollux

(Shiner)
Tanago
Acheilognathus moriokae

(Minnow)
Honmoroko
Gnathopogon caerulescens

Cat fish
Namazu
Parasilurus asotus

Lamprey
Kawayatsume
Entosphenus japonicus

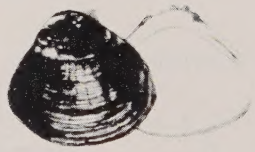
## B Others

(Shrimp)
Nukaebi
Paratya compressa improvisa

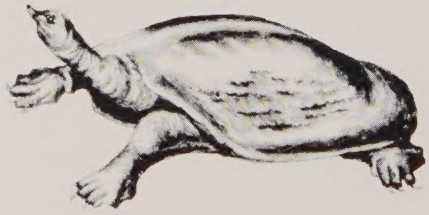
Opossum shrimp
Isazaami
Neomysis intermedia

Bull-frog
Ushigaeru
Rana catesbiana

(Corbicula)
Yamatoshijimi
Corbicula japonica



Snapping turtle
Suppon
Amyda japonica



(Aquatic plant)
Kawanori
Prasiola japonica

# EXPLANATORY NOTES

1. Sources of statistics

| | |
|---|---|
| Table No. 1 ~ 9, 12<br>17(B), 18(B) | Statistics and Information Department, Ministry of Agriculture and Forestry. |
| Table No. 10, 11, 16 | Fishery Agency, Ministry of Agriculture and Forestry. |
| Table No. 13 ~ 15 | Customs Division, Ministry of Finance |
| Table No. 17 (A), 18(A) | Bureau of Statistics, Office of the Prime Minister. |
| Reference Table 1, 2 | F. A. O. |

2. Period of inquisition

As a principle, the statistics in this bulletin are inquired by the Calendar year but the figures of the whaling in the Antarctic Ocean are given for the "whaling year" (from Nov. 1970 to Mar. 1971)

3. Symbols

| | |
|---|---|
| ( 0 ) | Means "Less than the unit amount" |
| (---) | Means "Unknown or not available" |
| ( - ) | Means "No record" |
| ( △ ) | Means "Minus" |